

**UNITED STATES  
AIR FORCE**

# **OCCUPATIONAL SURVEY REPORT**



**AIRBORNE COMMUNICATIONS AND ELECTRONICS SYSTEMS  
AFSC 1A3X1**

**&**

**AIRBORNE MISSIONS SYSTEMS  
AFSC 1A5X1**

**OSSN: 2483**

**AUGUST 2002**

**OCCUPATIONAL ANALYSIS PROGRAM  
AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON  
AIR EDUCATION and TRAINING COMMAND  
1550 5th STREET EAST  
RANDOLPH AFB, TEXAS 78150-4449**

**APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED**

## Report Documentation Page

<b>Report Date</b> 01AUG2002	<b>Report Type</b> N/A	<b>Dates Covered (from... to)</b> -
<b>Title and Subtitle</b> United States Air Force Occupational Survey Report: Airborne Communications and Electronics Systems AFSC 1A3X1 & Airborne Missions Systems AFSC 1A5X1		<b>Contract Number</b>
		<b>Grant Number</b>
		<b>Program Element Number</b>
<b>Author(s)</b>	<b>Project Number</b>	
	<b>Task Number</b>	
	<b>Work Unit Number</b>	
<b>Performing Organization Name(s) and Address(es)</b> OCCUPATIONAL ANALYSIS PROGRAM AIR FORCE OCCUPATIONAL MEASUREMENT SQUADRON AIR EDUCATION and TRAINING COMMAND 1550 5th STREET EAST RANDOLPH AFB, TEXAS 78150-4449		<b>Performing Organization Report Number</b>
<b>Sponsoring/Monitoring Agency Name(s) and Address(es)</b>		<b>Sponsor/Monitor's Acronym(s)</b>
		<b>Sponsor/Monitor's Report Number(s)</b>
<b>Distribution/Availability Statement</b> Approved for public release, distribution unlimited		
<b>Supplementary Notes</b>		
<b>Abstract</b>		
<b>Subject Terms</b>		
<b>Report Classification</b> unclassified	<b>Classification of this page</b> unclassified	
<b>Classification of Abstract</b> unclassified	<b>Limitation of Abstract</b> UU	
<b>Number of Pages</b> 207		

## DISTRIBUTION FOR AFSC 1A3X1 & AFSC 1A5X1 OSR

AFOMS/OMDQ	1
AFOMS/OMYXI	2
CCAF/DFAX	1
DEFENSE TECHNICAL INFORMATION CENTER	2
HQ AFPC/DPAADOM4	1
HQ AFPC/DPPADOO4	1
HQ AFPC/DPPAC	1
USMC TRAINING AND EDUCATION, STANDARDS BRANCH	1
HQ USAF/XOOTA (ATTN: CMSGT SHANNON, 1250 AIR FORCE PENTAGON, WASHINGTON DC 20330-1250)	2
HQ ACC/DOTB (ATTN: CMSGT ANDERSON, 205 DODD BLVD, STE 101, LANGLEY AFB VA 23665-2789)	2
HQ ACC/DOYA (ATTN: CMSGT STOKES, 205 DODD BLVD, STE 101, LANGLEY AFB VA 23665-2789)	2
HQ AFRC/DOTA (ATTN: CMSGT WALTER, 155 RICHARD RAY BLVD, ROBINS AFB GA 31098-1815)	1
HQ ANG/XOOE (ATTN: MSGT JONES, SUITE 5504 JP-1, 1411 JEFFERSON DAVIS HWY, ARLINGTON VA 22202-3231)	3
NATO AWACS/OW1 (ATTN: CMSGT SULLIVAN, PSC 7 BOX 417, APO AE 09104-0000)	3
HQ AETC/DOR	1
HQ AETC/DOO	1
HQ ACC/DPPE	3
HQ AETC/DPSEO	3
HQ AFMC/DPEE	3
HQ AFSOC/DPPMT	3
HQ AIA/DPT	3
HQ AMC/DPPET	3
HQ PACAF/DPPET	3
HQ AFRC/DPTS	5
HQ AFMRDS/CC	4
332 TRS/TRR (ATTN: MR. MCCARTHY, 613 HANGAR RD, RM 156, KEESLER AFB MS 39534-2237)	2
81 TRG/CCVT (825 HERCULES STREET, STE 101, KEESLER AFB MS 39534-2037)	1
81 TRSS/TSQS	1

## TABLE OF CONTENTS

	<b><u>PAGE NUMBER</u></b>
<b><u>PREFACE</u></b> .....	xiv
<b><u>EXECUTIVE SUMMARY</u></b> .....	xv
<b><u>INTRODUCTION</u></b> .....	1
<u>Occupational Analysis Program</u> .....	1
<u>Survey Development Process</u> .....	1
<u>Survey Administration</u> .....	1
<u>Survey Analysis</u> .....	2
<u>Uses of Survey Data</u> .....	2
<b><u>OCCUPATIONAL SURVEY REPORT (OSR) AIRBORNE COMMUNICATIONS AND ELECTRONICS SYSTEMS (AFSC 1A3X1) AND AIRBORNE MISSIONS SYSTEMS (AFSC 1A5X1)</u></b> .....	5
<u>Career Ladder Backgrounds</u> .....	5
<u>1A3X1</u> .....	5
<u>1A5X1</u> .....	6
<b><u>SURVEY METHODOLOGY</u></b> .....	8
<u>Inventory Development</u> .....	8
<u>1A3X1 and 1A5X1 Survey Administration</u> .....	8
<u>Survey Sample</u> .....	9
<b><u>1A3X1 AND 1A5X1 JOB STRUCTURE</u></b> .....	12
<u>Specialty Jobs</u> .....	12
<u>Analysis of 1A3X1 and 1A5X1 Cluster and Jobs</u> .....	14
<u>Members Not Grouped</u> .....	16
<u>Comparison of Current Specialty Jobs to Previous Survey</u> .....	17
<b><u>SPECIAL ANALYSES: AIRCRAFT PLATFORM/PRIMARY MISSION/LEVEL OF QUALIFICATION/CONUS VERSUS OVERSEAS/MAJCOM</u></b> .....	18
<u>Aircraft Platform</u> .....	18
<u>Primary Mission</u> .....	22
<u>Level of Qualification</u> .....	23
<u>CONUS versus Overseas</u> .....	24
<u>MAJCOM</u> .....	25

## TABLE OF CONTENTS (Continued)

	<u>PAGE NUMBER</u>
<b><u>SKILL AND EXPERIENCE ANALYSIS</u></b> .....	27
1A3X1 versus 1A5X1	
Active Duty	
<u>Duties</u> .....	27
<u>Tasks</u> .....	27
Combined 1A3X1 and 1A5X1	
Active Duty	
<u>Duties</u> .....	30
<u>Tasks</u> .....	30
ANG	
<u>Duties</u> .....	31
<u>Tasks</u> .....	31
AFRC	
<u>Duties</u> .....	32
<u>Tasks</u> .....	32
<b><u>TRAINING ANALYSIS</u></b> .....	34
<u>What Entry-Level Members Need To Know</u> .....	34
<u>First-Job Personnel (1-24 months' TAFMS)</u> .....	34
<u>First-Enlistment Personnel (1-48 months' TAFMS)</u> .....	34
Task Factor Surveys .....	37
<u>What Do 1A3X1 and 1A5X1 Training Documents Reflect?</u> .....	39
<u>Specialty Training Standard (STS) Analysis</u> .....	39
<u>AFSC 1A3X1 STS</u> .....	39
<u>AFSC 1A5X1 STS</u> .....	40
<b><u>JOB SATISFACTION ANALYSIS</u></b> .....	41
<b><u>RETENTION DIMENSIONS</u></b> .....	44
<u>Reenlistment</u> .....	44
<u>Separation</u> .....	44
<b><u>TABLE 1</u></b> MAJCOM REPRESENTATION OF TOTAL SAMPLE .....	9
<b><u>TABLE 2</u></b> PAYGRADE DISTRIBUTION OF SAMPLE .....	10
<b><u>TABLE 3</u></b> SKILL-LEVEL DISTRIBUTION OF SAMPLE .....	10
<b><u>TABLE 4</u></b> COMPONENT CHARACTERISTICS .....	11

## TABLE OF CONTENTS (Continued)

	<u>PAGE NUMBER</u>
<b><u>FIGURE 1</u></b> IDENTIFIED JOB STRUCTURE AND PERCENTAGES OF TOTAL SURVEY SAMPLE (N=656) .....	13
<b><u>FIGURE 2</u></b> DISTRIBUTION OF AFSC 1A3X1 AND 1A5X1 FIRST-ENLISTMENT PERSONNEL ACROSS SPECIALTY JOBS (N=106) .....	36
<b><u>TABLES 5 - 9</u></b> DESCRIPTIONS OF SPECIALTY JOBS.....	45
<b><u>TABLE 10</u></b> AVERAGE PERCENT TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS IN CAREER LADDER CLUSTER AND JOBS.....	51
<b><u>TABLE 11</u></b> DISTRIBUTION OF AD DAFSC 1A3X1 AND AD DAFSC 1A5X1 SKILL-LEVEL MEMBERS ACROSS CAREER LADDER CLUSTER AND JOBS (PERCENT IN EACH JOB) .....	52
<b><u>TABLE 12</u></b> TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED (PERCENT RESPONDING).....	53
<b><u>TABLE 13</u></b> REPRESENTATIVE TASKS PERFORMED BY C-20 PERSONNEL .....	55
<b><u>TABLE 14</u></b> REPRESENTATIVE TASKS PERFORMED BY C-32 PERSONNEL .....	56
<b><u>TABLE 15</u></b> REPRESENTATIVE TASKS PERFORMED BY C-37 PERSONNEL .....	57
<b><u>TABLE 16</u></b> REPRESENTATIVE TASKS PERFORMED BY C-135 PERSONNEL.....	58
<b><u>TABLE 17</u></b> REPRESENTATIVE TASKS PERFORMED BY E-3 PERSONNEL .....	59
<b><u>TABLE 18</u></b> REPRESENTATIVE TASKS PERFORMED BY E-4 PERSONNEL .....	60
<b><u>TABLE 19</u></b> REPRESENTATIVE TASKS PERFORMED BY E-8 PERSONNEL .....	61
<b><u>TABLE 20</u></b> REPRESENTATIVE TASKS PERFORMED BY EC-130 PERSONNEL .....	62
<b><u>TABLE 21</u></b> REPRESENTATIVE TASKS PERFORMED BY EC-135 PERSONNEL .....	63
<b><u>TABLE 22</u></b> REPRESENTATIVE TASKS PERFORMED BY HC-130 PERSONNEL.....	64
<b><u>TABLE 23</u></b> REPRESENTATIVE TASKS PERFORMED BY MC-130 PERSONNEL .....	65
<b><u>TABLE 24</u></b> REPRESENTATIVE TASKS PERFORMED BY OC-135 PERSONNEL.....	66
<b><u>TABLE 25</u></b> REPRESENTATIVE TASKS PERFORMED BY RC-135 PERSONNEL .....	67

## TABLE OF CONTENTS (Continued)

		<b><u>PAGE NUMBER</u></b>
<b><u>TABLE 26</u></b>	REPRESENTATIVE TASKS PERFORMED BY VC-25 PERSONNEL.....	68
<b><u>TABLE 27</u></b>	OVERLAP IN TIME SPENT BETWEEN ALL DAFSC 1A3X1 MEMBERS AND DAFSC 1A5X1 MEMBERS BASED ON AIRCRAFT PLATFORM AND PRIMARY MISSION .....	69
<b><u>TABLE 28</u></b>	OVERLAP IN TIME SPENT BETWEEN ALL DAFSC 1A5X1 MEMBERS AND DAFSC 1A3X1 MEMBERS BASED ON AIRCRAFT PLATFORM AND PRIMARY MISSION (RANKED BY HIGHESTOVERLAP TO LOWEST OVERLAP).....	70
<b><u>TABLE 29</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A3X1 PERSONNEL AND DAFSC 1A5X1 PERSONNEL ASSIGNED TO E-3.....	71
<b><u>TABLE 30</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A3X1 PERSONNEL AND DAFSC 1A5X1 PERSONNEL ASSIGNED TO E-8.....	73
<b><u>TABLE 31</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO EC-130.....	75
<b><u>TABLE 32</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO RC-135.....	77
<b><u>TABLE 33</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO OC-135 .....	79
<b><u>TABLE 34</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO C-20.....	81
<b><u>TABLE 35</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO E-3.....	83
<b><u>TABLE 36</u></b>	TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO E-8.....	85

## TABLE OF CONTENTS (Continued)

		<b><u>PAGE NUMBER</u></b>
<b><u>TABLE 37</u></b>	TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS BASED ON PRIMARY MISSION (PERCENT RESPONDING) .....	87
<b><u>TABLE 38</u></b>	REPRESENTATIVE TASKS PERFORMED BY ABCCC PERSONNEL .....	90
<b><u>TABLE 39</u></b>	REPRESENTATIVE TASKS PERFORMED BY AWACS, OTHER THAN NATO, PERSONNEL.....	91
<b><u>TABLE 40</u></b>	REPRESENTATIVE TASKS PERFORMED BY COBRA BALL PERSONNEL.....	92
<b><u>TABLE 41</u></b>	REPRESENTATIVE TASKS PERFORMED BY COMBAT SENT PERSONNEL...	93
<b><u>TABLE 42</u></b>	REPRESENTATIVE TASKS PERFORMED BY COMBAT SHADOW PERSONNEL.....	94
<b><u>TABLE 43</u></b>	REPRESENTATIVE TASKS PERFORMED BY CINC SUPPORT PERSONNEL...	95
<b><u>TABLE 44</u></b>	REPRESENTATIVE TASKS PERFORMED BY COMPASS CALL PERSONNEL ..	96
<b><u>TABLE 45</u></b>	REPRESENTATIVE TASKS PERFORMED BY JSTARS PERSONNEL.....	97
<b><u>TABLE 46</u></b>	REPRESENTATIVE TASKS PERFORMED BY NAOC PERSONNEL .....	98
<b><u>TABLE 47</u></b>	REPRESENTATIVE TASKS PERFORMED BY NATO AWACS PERSONNEL ....	99
<b><u>TABLE 48</u></b>	REPRESENTATIVE TASKS PERFORMED BY OPEN SKIES PERSONNEL .....	100
<b><u>TABLE 49</u></b>	REPRESENTATIVE TASKS PERFORMED BY OPERATIONAL SUPPORT AIRLIFT PERSONNEL.....	101
<b><u>TABLE 50</u></b>	REPRESENTATIVE TASKS PERFORMED BY RESCUE PERSONNEL.....	102
<b><u>TABLE 51</u></b>	REPRESENTATIVE TASKS PERFORMED BY RIVET JOINT PERSONNEL.....	103
<b><u>TABLE 52</u></b>	REPRESENTATIVE TASKS PERFORMED BY SENIOR SCOUT PERSONNEL..	104
<b><u>TABLE 53</u></b>	REPRESENTATIVE TASKS PERFORMED BY SPECIAL AIR MISSIONS PERSONNEL.....	105
<b><u>TABLE 54</u></b>	REPRESENTATIVE TASKS PERFORMED BY STAFF PERSONNEL.....	106
<b><u>TABLE 55</u></b>	REPRESENTATIVE TASKS PERFORMED BY TECHNICAL TRAINING PERSONNEL.....	107



## TABLE OF CONTENTS (Continued)

	<b><u>PAGE NUMBER</u></b>
<b><u>TABLE 56</u></b> TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS BASED ON LEVEL OF QUALIFICATION (PERCENT RESPONDING) .....	108
<b><u>TABLE 57</u></b> REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 AIRCREW EXAMINER PERSONNEL .....	109
<b><u>TABLE 58</u></b> REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 AIRCREW INSTRUCTOR PERSONNEL.....	110
<b><u>TABLE 59</u></b> REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 AIRCREW MEMBER PERSONNEL.....	111
<b><u>TABLE 60</u></b> REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 NON-AIRCREW PERSONNEL.....	112
<b><u>TABLE 61</u></b> TIME SPENT ON DUTIES BY AD DAFSC 1A351 AND AD DAFSC 1A551 CONUS AND OVERSEAS MEMBERS (PERCENT RESPONDING) .....	113
<b><u>TABLE 62</u></b> REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 CONUS PERSONNEL.....	114
<b><u>TABLE 63</u></b> REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 OVERSEAS PERSONNEL.....	115
<b><u>TABLE 64</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 CONUS AND OVERSEAS PERSONNEL.....	116
<b><u>TABLE 65</u></b> REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 CONUS PERSONNEL.....	117
<b><u>TABLE 66</u></b> REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 OVERSEAS PERSONNEL.....	118
<b><u>TABLE 67</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A551 CONUS AND OVERSEAS PERSONNEL.....	119
<b><u>TABLE 68</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 CONUS AND AD DAFSC 1A551 OVERSEAS PERSONNEL .....	120
<b><u>TABLE 69</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 OVERSEAS AND AD DAFSC 1A551 CONUS PERSONNEL.....	121
<b><u>TABLE 70</u></b> TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MAJCOM PERSONNEL (PERCENT RESPONDING) .....	122

## TABLE OF CONTENTS (Continued)

		<b><u>PAGE NUMBER</u></b>
<b><u>TABLE 71</u></b>	TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 AETC AND DAFSC 1A5X1 AETC PERSONNEL.....	123
<b><u>TABLE 72</u></b>	TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 ACC AND DAFSC 1A5X1 ACC PERSONNEL.....	124
<b><u>TABLE 73</u></b>	TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 PACAF AND DAFSC 1A5X1 PACAF PERSONNEL.....	125
<b><u>TABLE 74</u></b>	TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 EUR AND DAFSC 1A5X1 EUR PERSONNEL .....	126
<b><u>TABLE 75</u></b>	TIME SPENT ON DUTIES BY AD MEMBERS OF DAFSC 1A3X1 AND DAFSC 1A5X1 SKILL-LEVEL GROUPS (PERCENT RESPONDING) .....	127
<b><u>TABLE 76</u></b>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A331 PERSONNEL.....	128
<b><u>TABLE 77</u></b>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A531 PERSONNEL.....	129
<b><u>TABLE 78</u></b>	TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A331 AND AD DAFSC 1A531 PERSONNEL.....	130
<b><u>TABLE 79</u></b>	TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A331 AND AD DAFSC 1A531 PERSONNEL.....	131
<b><u>TABLE 80</u></b>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 PERSONNEL.....	132
<b><u>TABLE 81</u></b>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 PERSONNEL.....	133
<b><u>TABLE 82</u></b>	TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 AND AD DAFSC 1A551 PERSONNEL.....	134
<b><u>TABLE 83</u></b>	TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A351 AND AD DAFSC 1A551 PERSONNEL.....	135
<b><u>TABLE 84</u></b>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A371 PERSONNEL.....	136
<b><u>TABLE 85</u></b>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A571 PERSONNEL.....	137

## TABLE OF CONTENTS (Continued)

		<u>PAGE NUMBER</u>
<a href="#"><u>TABLE 86</u></a>	TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A371 AND AD DAFSC 1A571 PERSONNEL.....	138
<a href="#"><u>TABLE 87</u></a>	TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A371 AND AD DAFSC 1A571 PERSONNEL.....	139
<a href="#"><u>TABLE 88</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A391 PERSONNEL.....	140
<a href="#"><u>TABLE 89</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A591 PERSONNEL.....	141
<a href="#"><u>TABLE 90</u></a>	TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A391 AND AD DAFSC 1A591 PERSONNEL.....	142
<a href="#"><u>TABLE 91</u></a>	TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A391 AND AD DAFSC 1A591 PERSONNEL.....	143
<a href="#"><u>TABLE 92</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A300 PERSONNEL.....	144
<a href="#"><u>TABLE 93</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A500 PERSONNEL.....	145
<a href="#"><u>TABLE 94</u></a>	TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A300 AND AD DAFSC 1A500 PERSONNEL.....	146
<a href="#"><u>TABLE 95</u></a>	TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A300 AND AD DAFSC 1A500 PERSONNEL.....	147
<a href="#"><u>TABLE 96</u></a>	TIME SPENT ON DUTIES BY AD MEMBERS OF COMBINED DAFSC 1A3X1 AND DAFSC 1A5X1 SKILL-LEVEL GROUPS (PERCENT RESPONDING) .....	148
<a href="#"><u>TABLE 97</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A331 AND AD DAFSC 1A531 PERSONNEL .....	149
<a href="#"><u>TABLE 98</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 AND AD DAFSC 1A551 PERSONNEL .....	150
<a href="#"><u>TABLE 99</u></a>	TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A331/1A531 AND AD DAFSC 1A351/1A551 PERSONNEL.....	151
<a href="#"><u>TABLE 100</u></a>	REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A371 AND AD DAFSC 1A571 PERSONNEL .....	152

## TABLE OF CONTENTS (Continued)

	<u>PAGE NUMBER</u>
<b><u>TABLE 101</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351/1A551 AND AD DAFSC 1A371/1A571 PERSONNEL.....	153
<b><u>TABLE 102</u></b> REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A391 AND AD DAFSC 1A591 PERSONNEL .....	154
<b><u>TABLE 103</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A371/1A571 AND DAFSC 1A391/1A591 PERSONNEL .....	155
<b><u>TABLE 104</u></b> REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A300 AND AD DAFSC 1A500 PERSONNEL .....	156
<b><u>TABLE 105</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A391/1A591 AND AD DAFSC 1A300/1A500 PERSONNEL.....	157
<b><u>TABLE 106</u></b> TIME SPENT ON DUTIES BY ANG MEMBERS OF DAFSC 1A3X1 SKILL-LEVEL GROUPS (PERCENT RESPONDING).....	158
<b><u>TABLE 107</u></b> REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 1A351 PERSONNEL.....	159
<b><u>TABLE 108</u></b> REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 1A371 PERSONNEL.....	160
<b><u>TABLE 109</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN ANG DAFSC 1A351 AND ANG DAFSC 1A371 PERSONNEL .....	161
<b><u>TABLE 110</u></b> REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 1A391 PERSONNEL.....	162
<b><u>TABLE 111</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN ANG DAFSC 1A371 AND ANG DAFSC 1A391 PERSONNEL .....	163
<b><u>TABLE 112</u></b> TIME SPENT ON DUTIES BY AFRC MEMBERS OF DAFSC 1A3X1 AND DAFSC 1A5X1 SKILL-LEVEL GROUPS (PERCENT RESPONDING) .....	164
<b><u>TABLE 113</u></b> REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A351 AND AFRC DAFSC 1A551 PERSONNEL.....	165
<b><u>TABLE 114</u></b> REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A371 AND AFRC DAFSC 1A571 PERSONNEL.....	166
<b><u>TABLE 115</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AFRC DAFSC 1A351/ 1A551 AND AFRC DAFSC 1A371/1A571 PERSONNEL .....	167

## TABLE OF CONTENTS (Continued)

	<u>PAGE NUMBER</u>
<b><u>TABLE 116</u></b> REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A391 AND AFRC DAFSC 1A591 PERSONNEL.....	168
<b><u>TABLE 117</u></b> TASKS THAT BEST DIFFERENTIATE BETWEEN AFRC DAFSC 1A371/ 1A571 AND AFRC DAFSC 1A391/1A591 PERSONNEL .....	169
<b><u>TABLE 118</u></b> TIME SPENT ACROSS DUTIES BY FIRST-JOB (1-24 MONTHS' TAFMS) DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL .....	170
<b><u>TABLE 119</u></b> REPRESENTATIVE TASKS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL WITH 1-24 MONTHS' TAFMS.....	171
<b><u>TABLE 120</u></b> TIME SPENT ACROSS DUTIES BY FIRST-ENLISTMENT PERSONNEL (1-48 MONTHS' TAFMS) DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL.....	172
<b><u>TABLE 121</u></b> REPRESENTATIVE TASKS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL WITH 1-48 MONTHS' TAFMS.....	173
<b><u>TABLE 122</u></b> EMERGENCY EQUIPMENT CONTAINED ON AIRCRAFT SUPPORTED BY FIRST-ENLISTMENT DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL (PERCENT CONTAINING EQUIPMENT) .....	174
<b><u>TABLE 123</u></b> COMMUNICATIONS OR ELECTRONICS EQUIPMENT OR SYSTEMS USED, OPERATED, OR MAINTAINED BY FIRST-ENLISTMENT DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL (PERCENT USING, OPERATING, OR MAINTAINING).....	175
<b><u>TABLE 124</u></b> EXAMPLES OF AFSC 1A3X1 AND AFSC 1A5X1 TASKS WITH HIGHEST TRAINING EMPHASIS RATINGS (PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING).....	176
<b><u>TABLE 125</u></b> EXAMPLES OF AFSC 1A3X1 AND AFSC 1A5X1 TASKS WITH HIGHEST TASK DIFFICULTY RATINGS (PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING) .....	177
<b><u>TABLE 126</u></b> AFSC 1A3X1 STS ELEMENT NOT SUPPORTED BY SURVEY DATA (LESS THAN 20 PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING) .....	178
<b><u>TABLE 127</u></b> AFSC 1A3X1 STS ELEMENTS NOT SUPPORTED BY SURVEY DATA (NO PROFICIENCY CODE AND MORE THAN 20 PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING.....	179

## TABLE OF CONTENTS (Continued)

	<u>PAGE NUMBER</u>
<b><u>TABLE 128</u></b> EXAMPLES OF TASKS NOT REFERENCED TO AFSC 1A3X1 STS WITH 20 PERCENT OR MORE DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING .....	180
<b><u>TABLE 129</u></b> EXAMPLES OF TASKS NOT REFERENCED TO AFSC 1A5X1 STS WITH 20 PERCENT OR MORE DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING .....	181
<b><u>TABLE 130</u></b> JOB SATISFACTION INDICATORS FOR IDENTIFIED JOB GROUPS (PERCENT MEMBERS RESPONDING) .....	182
<b><u>TABLE 131</u></b> COMPARISON OF JOB SATISFACTION INDICATORS FOR CURRENT 1A3X1 SURVEY AND PREVIOUS 1A3X1 SURVEY (PERCENT MEMBERS RESPONDING) .....	183
<b><u>TABLE 132</u></b> COMPARISON OF JOB SATISFACTION INDICATORS FOR CURRENT 1A5X1 SURVEY AND PREVIOUS 1A5X1 SURVEY (PERCENT MEMBERS RESPONDING) .....	184
<b><u>TABLE 133</u></b> COMPARISON OF JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 AND COMPARATIVE SAMPLE GROUPS (PERCENT MEMBERS RESPONDING) .....	185
<b><u>TABLE 134</u></b> JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED (PERCENT MEMBERS RESPONDING) .....	186
<b><u>TABLE 135</u></b> JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS BASED ON PRIMARY MISSION PERFORMED (PERCENT MEMBERS RESPONDING) .....	188
<b><u>TABLE 136</u></b> COMPARISON OF REENLISTMENT FACTORS BY TAFMS GROUPS FOR AFSC 1A3X1 AND AFSC 1A5X1 – PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR .....	190
<b><u>TABLE 137</u></b> COMPARISON OF SEPARATION FACTORS BY TAFMS GROUPS FOR AFSC 1A3X1 AND AFSC 1A5X1 – PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR .....	191

## **PREFACE**

This report presents the results of an Air Force Occupational Survey of the following Air Force Specialty Codes (AFSCs): Airborne Communications and Electronics Systems (AFSC 1A3X1) and Airborne Missions Systems (AFSC 1A5X1). Authority for conducting an occupational survey is contained in AFI 36-2623. Copies of this report and pertinent computer printouts are distributed to the Air Force Career Field Manager, technical training school, all major using commands, and other interested operations and training officials.

Mr. Scott Vap, Inventory Development Specialist, developed the survey instrument. Ms. Kimberly Williams, Occupational Analyst, analyzed the data and wrote the final report. Mrs. Karen Tilghman provided computer-programming support, and Ms. Dolores Navarro provided administrative support. Major Jose Caussade, Chief, Airman Analysis Section, reviewed and approved this report for release.

Additional copies of this report may be obtained by writing to AFOMS/OMYXI, 1550 5<sup>th</sup> Street East, Randolph AFB TX 78150-4449, or by calling DSN 487-5543. For information on the Air Force occupational survey process or other on-going projects, visit our website at <https://www-r.omsq.af.mil/>. (Note: If you experience a Microsoft Word security problem after clicking on the above link, please copy the web address into the Address window in your web browser.)

EUGENE H. HENRY, Lt Col, USAF  
Commander  
Air Force Occupational Measurement Squadron

JOHN L. KAMMRATH  
Chief, Occupational Analysis  
Air Force Occupational Measurement Squadron

## OCCUPATIONAL SURVEY REPORT (OSR)

### AIRBORNE COMMUNICATIONS AND ELECTRONICS SYSTEMS (AFSC 1A3X1)

#### AND

### AIRBORNE MISSIONS SYSTEMS (AFSC 1A5X1)

## EXECUTIVE SUMMARY

**1. Survey Coverage:** The Airborne Communications and Electronics Systems and Airborne Missions Systems career ladders were surveyed to obtain current task and equipment data for use in evaluating current training programs. The Career Field Manager, MAJCOM Functional Managers, and Technical Training personnel requested that both AFSCs be surveyed together to provide data for the potential merger of the two career ladders. The data will also be used to support Specialty Knowledge Test (SKT) development. Surveys were sent to 980 Active Duty (AD), 88 Air National Guard (ANG), and 75 Air Force Reserve Command (AFRC) personnel. (This includes 685 1A3X1 and 295 1A5X1 AD members, 76 1A3X1 and 12 1A5X1 ANG members, and 50 1A3X1 and 25 1A5X1 AFRC members.) Survey results were based on the following respondents: 600 AD members (425 1A3X1 and 175 1A5X1), 23 ANG members (23 1A3X1 and 0 1A5X1), and 33 AFRC members (19 1A3X1 and 14 1A5X1).

**2. Specialty Jobs:** Structure analysis identified one cluster and four independent jobs within the combined final survey sample. The career ladders contain a variety of jobs, primarily based on aircraft platform and/or primary mission, but the vast majority of the members in the combined sample are performing similar tasks within the airborne communications, electronics, and missions systems arenas.

**3. Special Analyses – Aircraft Platform/Primary Mission/Level of Qualification/CONUS versus Overseas/MAJCOM:** Commonalities and differences between members of both AFSCs are revealed based on aircraft platform to which assigned, primary mission supported, level of qualification held, CONUS versus overseas assignment, and MAJCOM to which assigned. The most significant overlap in time spent between members of the two AFSCs exists between members holding DAFSC 1A5X1 and members holding DAFSC 1A3X1 assigned to the EC-130 aircraft and the RC-135 aircraft.

**4. Career Ladder Progression:** The career ladder progression for the combined sample of Airborne Communications and Electronics Systems and Airborne Missions Systems members is typical of most career ladders despite the members in the final sample representing two AFSCs. There was a distinction between 5- and 7-skill levels, with the 7-skill levels spending twice as much time performing supervisory activities. The distinction between 7- and 9-skill-level members was more obvious, with the 9-skill-level members spending almost twice as much time performing supervisory/management activities.



**5. Training Analysis:** The 1A3X1 Specialty Training Standard (STS) and the 1A5X1 STS, both dated October 2000, were reviewed in light of the survey data. The 1A3X1 STS was better supported by the survey data compared to the 1A5X1 STS. A complete review of the STSs has been provided to the technical school for evaluation and CFETP development for the potentially merged AFSCs.

**6. Job Satisfaction Analysis:** In general, job satisfaction among most 1A3X1 and 1A5X1 personnel was good. Members of the Reconnaissance Airborne Maintenance Technician (AMT) Independent Job appear to be the most satisfied. Overall, job satisfaction has increased over the past 3 years for the DAFSC 1A3X1 members but decreased over that same period of time for DAFSC 1A5X1 members. The combined 1A3X1 and 1A5X1 sample has significantly higher job satisfaction than the comparative sample of similar AFSCs surveyed in the previous 12 months.

**7. Retention Dimensions:** Members in all three combined 1A3X1 and 1A5X1 TAFMS groups agreed on several factors potentially influencing their decision to reenlist or separate. Top factors for reenlistment include pay and allowances and job security. Interestingly, the three TAFMS groups also indicated that pay and allowances are a strong influence on their decision to separate. In addition, civilian job opportunities and military lifestyle are significant influences in the decision to separate from the Air Force for all three TAFMS groups.

## **INTRODUCTION**

### **Air Force Occupational Measurement Squadron (AFOMS)**

#### **Occupational Analysis Program**

Simply put, our mission is to provide occupational data for decisionmakers, allowing them to make informed personnel, training, and education decisions based not on opinion and conjecture, but on empirical, quantitative data.

#### **Survey Development Process**

An occupational survey begins with a job inventory (JI) -- a list of all the tasks performed by members of a given Air Force Specialty Code (AFSC) as part of their actual career field work (that is, additional duties and the like are not included). We strive to ensure that every function career field members perform is included by working very closely with technical training personnel, the Air Staff, and operational subject-matter experts (SMEs) to produce a task list that is complete and understandable to the typical job incumbent filling out the survey. The SMEs also ensure the task list is written to the same level of specificity across duty areas and that each task is mutually exclusive, that it is not covered in the task list more than once.

In addition to this comprehensive task list, job inventories include a number of background questions that deal with demographic information, job satisfaction, equipment usage, and any other area that our customers may desire to focus on.

Furthermore, the JI is only one of the surveys that AFOMS produces. The JI task list is used in creating several other surveys that are important for developing and refining career field training programs and for developing career field promotion tests; these surveys and how their results are used will be described shortly.

#### **Survey Administration**

The sample of members who receive the JI primarily depends on the size of the career ladder. We typically survey 100% of all eligible members in career ladders numbering 3,000 members or less. For career ladders larger than 3,000 assigned members, we select a random sample of half of the eligible members. Return rates (the percentage of surveys we receive back from the field) generally run 70% or greater. All this combines to produce very large and very representative samples in almost every study we conduct, compared to the samples obtained by private commercial surveying and marketing firms, and this in turn leads to highly accurate information about the work and demographics of the career field.

When the number of tasks is large, responding to the JI can be somewhat time-consuming for the Air Force member, but it is a simple process. Respondents are asked to examine each task and indicate whether they do or do not perform that task in their current job. They are then asked

to rate each task they marked on a scale of 1 to 9 based on how much relative time they spend performing that task in their present job.

### Survey Analysis

Survey responses are processed using a set of computer programs called the Comprehensive Occupational Data Analysis Programs (CODAP). We are able to calculate some important basic information about each task from the information that respondents provide in the JI: the Percent Members Performing (PMP) and the Percent Time Spent (PTS). CODAP groups survey respondents according to their similarity of task performance, and our analysts study these groupings to identify distinct jobs. Further, we can provide PMP and PTS information for any subgroup. For example, we can easily determine the percent of E-5s or 3-skill-level or first-term airmen who perform each task, and estimate the average amount of job time they spend performing it. This is important because many of the applications of our data target particular subgroups within the career ladder.

### Uses of Survey Data

Survey results are formally reported in an **Occupational Survey Report (OSR)** -- what you are currently reading -- but the OSR is by no means the only product of an occupational survey study. The OSR provides a high-level "snapshot" of an entire AFSC in a compact package, but it is not intended to provide the comprehensive information needed to support important decisions about a career field. That is the purpose of "data extracts," which are comprehensive, detailed sets of CODAP-generated reports designed for particular applications.

**The Training Extract** -- AFOMS survey data are essential to technical training professionals. The Training Extract provides information about what career ladder incumbents are actually doing in their jobs at each stage of their career, along with supporting information regarding when and how members should be trained to perform their jobs. The data found in the Training Extract regarding first-job, first-term, and 3-skill level members are the *primary source of empirical information* available to support such decisions.

In addition to the JI, AFOMS produces two other surveys that directly support the training community. Depending on the size of the career ladder, a sample of at least 50 (and frequently 100 or more) 7-skill-level craftsmen is selected to complete a Training Emphasis (TE) survey. A similar-sized sample of other 7-skill-level craftsmen is selected to complete a Task Difficulty (TD) survey.

The TE survey, like the JI, contains the complete career ladder task list, and, like the JI, respondents are asked to rate tasks on a 0 to 9 scale. Unlike the JI, however, respondents are asked to rate tasks based on how much emphasis they believe should be placed on that task for entry-level structured training. A "0" indicates the respondent's belief that no structured training is required for that task, while a "1" indicates the respondent's belief that very little emphasis be placed on providing structured training on that task. A rating of "9" indicates that it is essential to provide structured training on the task. Structured training is defined as resident technical schools, field training detachments, mobile training teams, formal on-the-job training (OJT), or

any other organized training method. The responses of the entire sample of raters are averaged for each task resulting in a TE rating for each task.

The TD survey also contains the full task list and requests that respondents rate each task on a scale of 1 to 9 (“1” is low, “9” is high), but this time respondents are asked to rate the amount of time needed to learn to perform that task satisfactorily. In other words, as the name implies, TD is an indicator of how difficult the task is to learn to do. The sample's *average* TD for each task in the inventory is standardized with a mean rating of 5.0 and a standard deviation of 1.0.

When used in conjunction with the PMP and PTS for first-enlistment members, average TE and TD ratings provide insight into the appropriate training requirements for new personnel in the career ladder. These four indices (PMP, PTS, TE, and TD) are used to compute a composite index, the Automated Training Indicator (ATI), for each task. The ATI expresses in a single number between 1 and 18 (“1” is low, “18” is high) the importance of including training for that task in the initial resident technical course. ATIs allow training developers to quickly focus attention on those tasks that are most likely to qualify for resident course consideration. Further information concerning TE and TD ratings and ATIs for the entire task list can be found in the Training Extract that accompanies this OSR.

The major users of Training Extract information are attendees at Utilization and Training Workshops (U&TWs). The U&TW is a summit of representative career ladder, training, and classification leaders whose purpose is to evaluate current training efficiency and effectiveness in order to propose and approve changes to the Specialty Training Standard (STS) or Course Training Standard (CTS), particularly with regard to 3-skill level training, and to address utilization issues. The AFSC's job description in Attachment 6 of AFMAN 36-2108, *Enlisted Classification*, is reviewed in light of the survey data and appropriately revised to reflect the jobs being performed by the career ladder members.

Part of the process of compiling the Training Extract involves the *STS matching* process, during which technical school personnel match JI tasks to STS elements; that is, they tell us what particular task or tasks correspond to each STS element when it is covered in training. This is especially useful when STS performance codes are being reviewed for the 3-skill-level course. For example, the U&TW attendees might be asked to consider adding a task performance code to an STS element that has only been trained to a knowledge level previously. Occupational survey data are an important input in determining the appropriate proficiency code. Separate Training Extracts are produced for Active Duty (AD), Air National Guard (ANG), and Air Force Reserve Component (AFRC) members.

**The Specialty Knowledge Test (SKT) Extract** -- AFOMS survey data are key to ensuring that SKTs are valid. SKTs are an important part of the Weighted Airman Promotion System (WAPS). Because an airman's test score is frequently the deciding factor in determining who is promoted, SKTs must be valid, fair, and credible.

In terms of SKTs, *valid* means that every question on the test is tied to a task which has been shown to be important to successful performance in the specialty. This tie is crucial to documenting the validity of SKT content.

AFOMS surveys provide test writers with information on the percentage of airmen performing tasks (PMP), an estimate of how much job time they spend performing tasks (PTS), how difficult tasks are to master (TD), and the importance of formal training on tasks (TE). This information is combined to produce a composite index called the Predicted Testing Importance (PTI). Those tasks that are rated highest in PTI are ones that tend to be high in all four of our primary indices - PMP, PTS, TD, and TE -- exactly the kinds of tasks that one would consider job-essential and critical for incumbents to know and thus be tested on. PTI information is used for minor test revisions; how it is used will be explained shortly.

Field-validated testing importance (FVTI) data are produced for major test revisions. Approximately 6 months before the start of test development, a sample of 100 senior career field NCOs are sent a survey containing a list of tasks rated highest in PTI. Respondents are asked to provide a 1-7 rating ("1" is low, "7" is high) of how important they believe it is to include a question concerning that task on the SKT. The responses are averaged for each task, yielding the FVTI index -- a direct measure of the opinions of career field experts as to what constitutes "job-essential" knowledge.

PTI and FVTI information is included in the SKT Extract, which is specifically tailored for use by the SKT teams who come to AFOMS to write the promotion examinations. Two sets of reports are prepared -- one set uses only data for E-5s and the other uses combined data for E-6s and E-7s. Each report gives the SKT team information on every task's PMP, PTS, and PTI, and, for major test revisions, FVTI data. Occupational survey data are thus the only objective source of information available to the team regarding how to make the test they write meet legal requirements for validity and fairness.

**The Analysis Extract** -- The Analysis Extract is an archive of all the data collected in the course of a study that are not incorporated in one of the other extracts. We typically produce separate Analysis Extracts for AD and ANG/AFRC members. The Analysis Extract is usually an enormous document, a compilation of the many reports that "slice and dice" the data in virtually every potentially useful way. Just about any question anyone has regarding career ladder work, personnel, or training and utilization issues can be answered by consulting one or another of the reports in the Analysis Extract.

**The Occupational Survey Report (OSR)** -- This document, the OSR, captures survey data and analysis both in breadth and depth. For ease of reading, the first half of the OSR concentrates on breadth with compelling factors and implications across the specialty. The ensuing appendices show depth with regard to these factors and implications, primarily in tabular format. Where appropriate, highlights of the tables are contained in the body. The reader will find tables in their entirety in the appendices.

**OCCUPATIONAL SURVEY REPORT (OSR)**  
**AIRBORNE COMMUNICATIONS AND ELECTRONICS SYSTEMS (AFSC 1A3X1)**  
**AND**  
**AIRBORNE MISSIONS SYSTEMS (AFSC 1A5X1)**

This is a report of an occupational survey of the Airborne Communications and Electronics Systems and Airborne Missions Systems career ladders, conducted by the Occupational Analysis Flight, AFOMS. The OSR reports the findings of current data that are available for use in guiding the development and evaluation of training and support planned changes within these career ladders. In addition, the data are used to support SKT development.

Separate OSRs, dated August 2002, were also completed for these career ladders based on the 2001 survey administration to provide data for training decisions and SKT development, as the potential merger will take time to evolve in the training and testing arenas. (Separate OSRs were completed for the career ladders in October 1999 (1A3X1) and November 1999 (1A5X1)).

Career Ladder Backgrounds

1A3X1

According to the Specialty Description in AFMAN 36-2108, *Enlisted Classification*, dated 30 April 2002, personnel in the 1A3X1 career ladder perform aircrew functions on various airborne platforms. They operate, inspect, troubleshoot, and perform maintenance on airborne communications and electronics systems. In addition, these members perform preflight and postflight inspections of communications and electronics systems and supervise and instruct communications and electronics systems personnel in operation, repair, and test procedures. They are responsible for initializing, operating, inspecting, monitoring, testing, troubleshooting, isolating malfunctions, and repairing radio, audio, distribution, data, cryptologic, satellite communications, multiplex, electronic warfare (EW), intercept, analysis, recording, broadcasting, imaging, and computer equipment.

The initial technical training school for this AFSC is located at Keesler AFB MS. The E3ABR1A331 004, Airborne Communications and Electronics Systems Apprentice, course is 11 weeks and 3 days long and provides graduates with the knowledge and skills for the following principles and activities:

- Tuning, performance testing, and adjustment of VHF, UHF, and HF systems, audio distribution system, baseband switching system, automatic direction finding, and the use of related test equipment;
- Introduction to flightline practices, use of maintenance and inspection forms, and safety and security directives;

- Principles of transmitters, receivers, antennas, tuners and electronic and electromechanical tuning systems;
- Operation of airborne voice systems for the transmission and reception of radio messages;
- Maintenance of records and radio logs;
- System and component troubleshooting procedures

Entry into AFSC 1A3X1 requires an Armed Forces Vocational Aptitude Battery (ASVAB) “Electrical” score of 67 and a Strength requirement of “G” (weight lift of 40 lb). For entry, award, and retention of these AFSCs, members must meet the following qualifications:

- Qualification for aviation service according to AFI 11-402, *Aviation And Parachutist Service, Aeronautical Ratings and Badges*;
- Physical qualification for aircrew duty according to AFI 48-123, *Medical Examination and Standards, Class III Medical Standard*, and voice communications operations

For award and retention of these AFSCs, members must be eligible for a Top Secret security clearance according to AFI 31-501, *Personnel Security Program Management*. **NOTE:** Award of the 3-skill level without a final Top Secret (TS) clearance is authorized provided an interim TS has been granted according to AFI 31-501.

### 1A5X1

According to the Specialty Description in AFMAN 36-2108, *Enlisted Classification*, dated 30 April 2002, personnel in the 1A5X1 career ladder operate, monitor, inspect, test, maintain, optimize, and evaluate surveillance radar, computer, display, identification friend or foe (IFF), and ancillary systems equipment. They also supervise and manage airborne missions systems operation.

The initial technical training school for this AFSC is also located at Keesler AFB MS. The E3ABR1A531 002, Airborne Missions Systems Apprentice, course is 9 weeks long and provides graduates with the knowledge and skills for the following principles and activities:

- Airborne maintenance procedures for airborne warning and control systems (AWACS), Joint Surveillance Target and Attack Radar System (JSTARS), Data Processing/Display Maintenance Systems (DP/DMS), radar systems, and aircrew procedures;

- Theory in basic networking, computer operation, radar fundamentals, and system fault isolation procedures

Entry into AFSC 1A5X1 requires an ASVAB “Electrical” score of 67 and a Strength requirement of “G” (weight lift of 40 lb). A member must also have normal color vision as defined in AFI 48-123, *Medical Examination and Standards*. For entry, award, and retention of these AFSCs, members must meet the following qualifications:

- Physical qualification for aircrew duty according to AFI 48-123 Class III medical standards;
- Qualification for aviation service according to AFI 11-402, *Aviation and Parachutist Service, Aeronautical Ratings and Badges*

For award and retention of these AFSCs, members must be eligible for a Secret security clearance according to AFI 31-501, *Personnel Security Program Management*.



## SURVEY METHODOLOGY

### Inventory Development

The data collection instruments for this occupational survey were USAF Job Inventory (JI) Occupational Survey Study Number (OSSN) 2481 (AFSC 1A3X1) and OSSN 2483 (AFSC 1A5X1), both dated October 2001. During the development of the comprehensive task list covering tasks performed by members in both 1A3X1 and 1A5X1 career ladders, 62 1A3X1 subject-matter experts (SMEs) and 29 1A5X1 SMEs were interviewed from 10 operational bases and one training unit. In addition to the standard background questions, the survey requested the following information: base of assignment; command of assignment; job satisfaction and reenlistment intentions; number of deployments and days TDY; job title; work or functional area; aircraft platform to which assigned; primary mission performed; emergency equipment contained on aircraft supported; and communications or electronics equipment or systems used, operated, or maintained. The inventory listed 530 tasks grouped under eight duty headings and a background section. (The complete task list is available on the CD-ROM containing the products from this study.) Although the 1A3X1 and 1A5X1 members were surveyed separately, the same survey was administered to all members, including the background questions, the tasks, and the order in which these items appeared in the survey.

<u>BASE</u>	<u>REASON FOR VISIT</u>
Keesler AFB MS	Technical Training School
Randolph AFB TX	<i>1A3X1 and 1A5X1 SKT teams</i>
Langley AFB VA	ACC Functional Managers
Offutt AFB NE	EC-135, RC-135, and E-4
Tinker AFB OK	E-3
Robins AFB GA	E-8
Davis-Monthan AFB AZ	EC-130
Hurlburt Fld FL	MC-130 (Active Duty)
Duke Fld FL	MC-130 (Reserve)
Harrisburg IAP PA	C-130 (Reserve); psychological operations
Andrews AFB MD	Special air missions (SAM)

### 1A3X1 and 1A5X1 Survey Administration

From October 2001 to February 2002, the survey control monitor at the technical training school and operational bases administered the inventory to all eligible DAFSC 1A331, 1A351, 1A371, 1A391, 1A300, 1A531, 1A551, 1A571, 1A591, and 1A500 AD, ANG, and AFRC personnel. Members ineligible to take the survey included the following: (1) hospitalized

members; (2) members in transition for a permanent change of station; (3) members retiring within the time the inventories were administered to the field; and (4) members who had been in their present jobs for less than 6 weeks. Participants were selected from a computer-generated mailing list obtained from data tapes maintained by the Air Force Personnel Center, Randolph AFB TX.

### Survey Sample

The data on survey returns were examined to ensure that the final sample reflected an accurate representation across major commands (MAJCOMs), paygrades, and skill levels. [Table 1](#) shows the distribution of the survey sample by MAJCOM, while [Table 2](#) reflects the survey distribution by paygrade groups. [Table 3](#) reveals the final sample distribution by skill level. [Table 4](#) displays the component characteristics for the AD, ANG, and AFRC members in the final sample.

TABLE 1

MAJCOM REPRESENTATION OF TOTAL SAMPLE						
COMMAND	PERCENT OF ASSIGNED**			PERCENT OF SAMPLE		
	1A3X1	1A5X1	TOTAL	1A3X1	1A5X1	TOTAL
ACC	34	19	53	36	19	55
AIA	8	0	8	9	0	9
AMC	5	*	6	7	0	7
AFSOC	5	0	5	2	0	2
PACAF	2	3	5	3	4	7
EUR	2	2	4	3	3	6
AETC	1	*	2	2	*	2
AFMC	1	0	1	2	0	2
OTHER***	1	*	2	1	*	1
ANG	6	1	7	4	0	4
AFRC	5	2	7	3	2	5
			1A3X1	1A5X1	TOTAL	
TOTAL ASSIGNED**			918	365	1,283	
TOTAL ELIGIBLE			814	332	1,146	
TOTAL SURVEYS MAILED			811	332	1,143	
TOTAL IN SAMPLE			466	190	656	
PERCENT OF ASSIGNED IN SAMPLE			51%	52%	51%	
PERCENT OF ELIGIBLE IN SAMPLE			57%	57%	57%	
PERCENT OF MAILED IN SAMPLE			57%	57%	57%	
* Indicates less than 1%						
** As of Oct 01						
*** “Other” includes USAFE, STRATCOM, USSOCOM, AFOTEC, & AF Elements Defense Information Systems Agency (DISA)						

TABLE 2

PAYGRADE DISTRIBUTION OF SAMPLE						
PAYGRADE	PERCENT OF ASSIGNED**			PERCENT OF SAMPLE		
	1A3X1	1A5X1	TOTAL	1A3X1	1A5X1	TOTAL
E-2	*	*	*	*	0	*
E-3	8	4	12	5	2	7
E-4	12	6	18	11	6	17
E-5	21	10	31	22	12	34
E-6	16	5	21	18	6	24
E-7	11	2	13	11	3	14
E-8/E-9	2	2	4	3	*	3
* Indicates less than 1%						
** As of Oct 01						

TABLE 3

SKILL-LEVEL DISTRIBUTION OF SAMPLE		
SKILL LEVEL	PERCENT OF ASSIGNED**	PERCENT OF SAMPLE
1A331	6	6
1A351	34	36
1A371	29	27
1A391	2	2
1A300	*	*
1A531	6	5
1A551	13	14
1A571	8	9
1A591	1	*
1A500	*	*
* Indicates less than 1%		
** As of Oct 01		

TABLE 4

COMPONENT CHARACTERISTICS									
	AD			ANG			AFRC		
	1A3X1	1A5X1	TOTAL	1A3X1	1A5X1	TOTAL	1A3X1	1A5X1	TOTAL
ASSIGNED	783	327	1,110	76	12	88	59	26	85
SURVEYED	685	295	980	76	12	88	50	25	75
SAMPLE	425	175	600	23	0	23	19	14	33
% OF SURVEYED	62	59	61	30	0	26	38	56	44

The Command, Paygrade, and Skill-Level distributions of the survey sample are close to the percent assigned, indicating that the sample is a true representation of the career ladder population assigned to the MAJCOMs.

## 1A3X1 AND 1A5X1 JOB STRUCTURE

The first step in the analysis process is to identify the career ladder structure in terms of the jobs performed by the respondents. CODAP creates an individual job description for each respondent based on the tasks performed and relative amount of time spent on these tasks. The CODAP automated job clustering program then compares all the individual job descriptions, locates the two descriptions with the most similar tasks and time spent ratings, and combines them to form a composite job description. In successive stages, CODAP either adds new members to this initial group or forms new groups based on the similarity of tasks and time spent ratings. Human analysis of the final output, aided by additional measures of similarities and differences between groups, determines the final job structure of the combined career fields as described here.

The basic group used in the hierarchical clustering process is the ***Job***. When two or more jobs have a substantial degree of similarity in tasks performed and time spent on tasks, they are grouped together and identified as a ***Cluster***. Jobs not falling within any cluster are identified as ***Independent Jobs***. The structure of the career ladder is then defined in terms of clusters, jobs, and independent jobs. The job structure resulting from this grouping process (the various jobs within the AFSC) can be used to evaluate the changes that have occurred in the AFSCs since the previous OSRs. It can also be used to guide future changes in the AFSCs. The above terminology will be used in the discussion of the 1A3X1 and 1A5X1 career ladders.

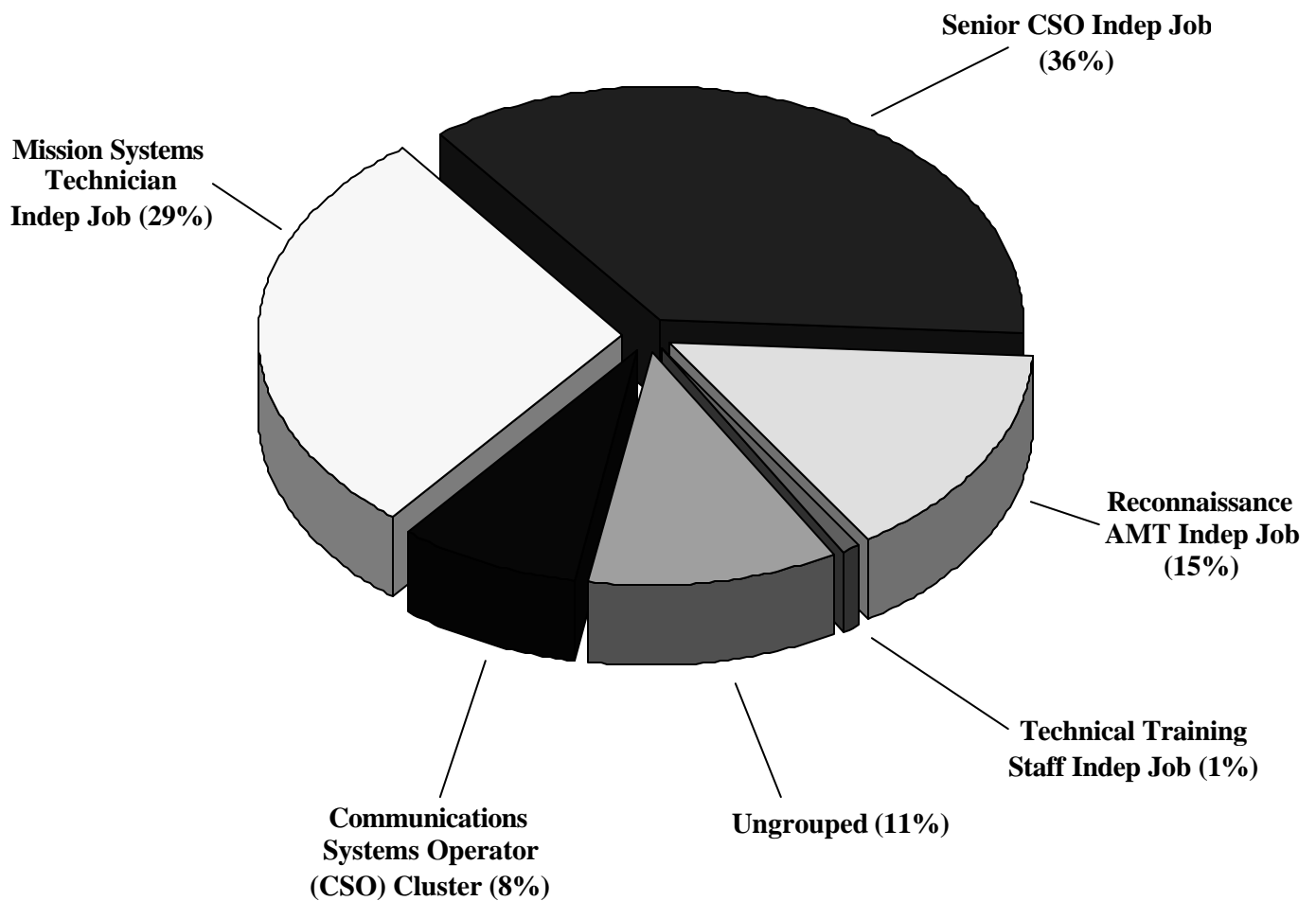
### Specialty Jobs

Based on the analysis of tasks performed and the amount of time spent performing each task, one cluster and four independent jobs were identified within the Airborne Communications and Electronics Systems and Airborne Missions Systems career ladders. [Figure 1](#) shows this job structure. A written outline of the job structure follows. The stage (STG) number or group (GP) number shown beside each title refers to computer-generated tracking information of no importance to the reader. The letter “N” represents the number of members in each cluster or job. [Tables 5-9](#) provide detailed descriptions of the cluster and jobs listed below, including demographic information and representative tasks that members perform. In addition, some distinguishing tasks performed for jobs identified within the cluster are shown.

- I. [SENIOR COMMUNICATIONS SYSTEMS OPERATOR \(CSO\) INDEPENDENT JOB](#) (STG 60, N=238)
- II. [COMMUNICATIONS SYSTEMS OPERATOR \(CSO\) CLUSTER](#) (STG 29, N=49)
  - A. [AIRBORNE BATTLE MANAGEMENT \(ABM\) CSO JOB](#) (STG 51, N=13)
  - B. [DISTINGUISHED VISITOR \(DV\) CSO JOB](#) (STG 59, N=12)
  - C. [NATIONAL AIRBORNE OPERATIONS CENTER \(NAOC\) CSO JOB](#) (STG 67, N=17)
- III. [MISSION SYSTEMS TECHNICIAN INDEPENDENT JOB](#) (STG 40, N=191)

- IV. RECONNAISSANCE AIRBORNE MAINTENANCE TECHNICIAN (AMT) INDEPENDENT JOB (GP 146, N=100)
- V. TECHNICAL TRAINING STAFF INDEPENDENT JOB (STG 44, N=8)

**IDENTIFIED JOB STRUCTURE AND PERCENTAGES OF  
TOTAL SURVEY SAMPLE  
(N =656)**



**FIGURE 1**

[Table 10](#) – Time spent on duties by members within cluster and jobs

[Table 11](#) – Distribution of AD DAFSC 1A3X1 and AD DAFSC 1A5X1 skill-level members across career ladder jobs

- Majority of DAFSC 1A3X1 members in Senior CSO Independent Job
- Majority of DAFSC 1A5X1 members in Mission Systems Technician Independent Job
- Jobs being performed by 1A3X1 members much more varied than jobs being performed by 1A5X1 members

#### Analysis of 1A3X1 and 1A5X1 Cluster and Jobs

#### **Senior Communications Systems Operator (CSO) Independent Job (IJ)**

- 238 members only in AFSC 1A3X1
- Primarily assigned to E-3 aircraft but members also assigned to C-9, C-20, C-32, C-37, C-135, E-4, E-8, EC-130, EC-135, HC-130, MC-130, and VC-25
- 37% of members performing AWACS, other than NATO, mission but also performing variety of other missions, including Special Air Missions (SAM), JSTARS, Rescue, NAOC, ABCCC, Combat Shadow, CINC Support, NATO AWACS, Operational Support Airlift (OSA), and Technical Training
- 37% of Senior CSO IJ members spend time working in Aircrew or Airborne Operations functional area; other functional areas covered include Standardization/Evaluation (Stan/Eval), In-Flight Training, Plans and Scheduling, Aircrew Management, Operations, Training Management, Administration, COMSEC/OPSEC Management, In-Flight Maintenance, Readiness, Requirements, Resource Management, and Tactics
- Although members assigned to different aircraft platforms performing different missions were distinguished from each other and separated by CODAP, there was a significant amount of overlap in the tasks being performed and the amount of time being spent on those tasks which resulted in them being grouped together into the Senior CSO IJ versus being grouped into numerous IJs by aircraft and/or mission
- Smaller pockets of members were grouped within the Senior CSO IJ based on the tasks selected and the time spent on those tasks for the following aircraft/missions/locations:
  - E-3/AWACS mission performed at Tinker AFB OK, Kadena AB JA, Geilenkirchen AB GE, and Elmendorf AFB AK

- E-8/JSTARS mission performed at Robins AFB GA and at Detachment 2, 605<sup>th</sup> Test Squadron, Melbourne FL
- E-4/National Airborne Operations Center (NAOC) mission at Offutt AFB NE
- HC-130 and MC-130/Rescue and Combat Shadow missions performed at F.S. Gabreski Airport NY, Moody AFB GA, Patrick AFB FL, Tinker AFB OK, Hurlburt Fld FL, Eglin AFB FL, RAF Mildenhall UK, and Kadena AB JA
- EC-130/ABCCC mission performed at Davis-Monthan AFB AZ
- C-9, C-20, C-32, C-135, E-4, EC-130, and VC-25/SAM and CINC Support missions performed at Andrews AFB MD, Hickam AFB HI, Offutt AFB NE, MacDill AFB FL, Ramstein AB GE, and Melbourne FL

### **CSO Cluster**

- 49 members only in AFSC 1A3X1
- Three jobs within cluster distinguished by aircraft platform and primary mission
  - Air Battle Management (ABM) CSO Job – 13 members assigned to E-3 (62%), EC-130 (23%), E-4 (8%), and E-8 (8%)
  - Distinguished Visitor (DV) CSO Job – 12 members assigned to C-32 (42%), C-37 (33%), and C-20 (25%)
  - NAOC CSO Job – 17 members assigned to E-4

### **Mission Systems Technician IJ**

- 191 members holding variety of DAFSCs, including 1A331 (1%), 1A351 (10%), 1A371 (9%), 1A531 (12%), 1A551 (39%), 1A571 (28%), 1A591 (1%), and 1A500 (2%)
- Members primarily supporting AWACS, other than NATO, mission but also supporting following missions: JSTARS (10%), NATO AWACS (9%), Cobra Ball (5%), Compass Call (4%), Rivet Joint (4%), Combat Sent (3%), Open Skies (3%), NAOC (1%), Senior Scout (1%), and Staff (1%)
- As with Senior CSO IJ, members in Mission Systems Technician IJ were found in smaller pockets based on aircraft platform and mission supported although tasks selected and amount of time spent on these tasks resulted in the 191 members being grouped together into one IJ



- Smaller groups found included E-3/AWACS mission, OC-135/Open Skies mission, EC-130/Compass Call mission, RC-135/Cobra Ball/Rivet Joint/Combat Sent missions, and E-8/JSTARS mission

### **Reconnaissance Airborne Maintenance Technician (AMT) IJ**

- 100 members holding variety of DAFSCs, including 1A331 (6%), 1A351 (47%), 1A371 (40%), 1A391 (4%), 1A551 (1%), and 1A571 (2%)
- Members primarily assigned to RC-135 (58%) but also assigned to E-4 (16%), EC-130 (16%), E-3 (3%), EC-135 (1%), and HC-130 (1%)
- It is important to remember that members were grouped based on tasks selected and amount of time spent on those tasks rather than aircraft platform, mission supported, or any other factor outside of selected tasks and time spent on tasks performed

### **Technical Training Staff IJ**

- Eight members grouped together based on significant number of training-related tasks performed
- Assigned to Keesler AFB MS (80%), Tinker AFB OK (10%), and Sheppard AFB TX (10%)

### Members Not Grouped

- Remaining 11% of survey sample did not group with any cluster or independent job
- Survey respondents sometimes do not fall into an identified job because they perform fewer tasks or mark the same tasks but give considerably different time spent ratings for those tasks
  - In addition, there may not have been enough individuals performing the same combination of tasks to warrant identification of a job
  - Members not grouped into any cluster or job were holding a variety of jobs, such as RC-135 Project Engineer, Training Superintendent, Chief, Aircrew Assignments, A6 Range Superintendent, and Alert Facility NCOIC
  - Important point to note is that all major AFSC functions are covered in identified clusters and independent jobs

### Comparison of Current Specialty Jobs to Previous Survey

Because the previous studies included individual surveys for AFSCs 1A3X1 and 1A5X1, a comparison of current specialty jobs to the jobs identified in the previous surveys cannot be accomplished.

## **SPECIAL ANALYSES:**

### **AIRCRAFT PLATFORM/PRIMARY MISSION/ LEVEL OF QUALIFICATION/CONUS VERSUS OVERSEAS/MAJCOM**

Because of the potential merger of AFSC 1A3X1 and AFSC 1A5X1, special analyses of specific groups were requested by the Air Force Career Field Manager, the MAJCOM Functional Managers, and technical training personnel to provide data based on aircraft platform to which assigned, primary mission supported, level of qualification held, CONUS versus overseas location of assignment, and MAJCOM to which assigned. This data may assist in personnel utilization, classification, and curriculum development decisions. The tables for the special analyses provide a summary of the requested data and are not intended to represent the entire picture for each comparison. Much more detailed reports are provided in the Analysis Extract and the Training Extract available on the CD-ROM.

#### Aircraft Platform

[Table 12](#) – Time spent on duties by DAFSC 1A3X1 and DAFSC 1A5X1 members based on aircraft platform to which assigned

- Members assigned to C-37 spending more time Performing Mission Planning, Premission, or Preflight Activities (Duty A) than members assigned to any other aircraft
- RC-135 members spending more time Performing Operations or Maintenance of Communications or Electronics Systems (Duty B)
- Members assigned to OC-135 spending more time Performing General Airborne Communications or Mission Systems Activities (Duty C), Performing Management and Supervisory Activities (Duty E), and Performing General Supply and Equipment Activities (Duty H) than remaining members of final sample
- HC-130 members spending more time Performing Mobility and Contingency Activities (Duty D) than other members performing similar activities
- Members assigned to MC-130 spending more time Performing General Administrative and Technical Order (TO) System Activities (Duty G) than members assigned to any other aircraft platform
- Most time being spent Performing Training Activities (Duty F) by C-32 and OC-135 members than members assigned to other aircraft platforms

[Tables 13 – 26](#) Tasks being performed by highest percentages of combined 1A3X1 and 1A5X1 members based on aircraft to which assigned; average number of tasks performed for each aircraft group is also shown

[Table 13](#) – Representative tasks performed by C-20 personnel

[Table 14](#) – Representative tasks performed by C-32 personnel

[Table 15](#) – Representative tasks performed by C-37 personnel

[Table 16](#) – Representative tasks performed by C-135 personnel

[Table 17](#) – Representative tasks performed by E-3 personnel

[Table 18](#) – Representative tasks performed by E-4 personnel

[Table 19](#) – Representative tasks performed by E-8 personnel

[Table 20](#) – Representative tasks performed by EC-130 personnel

[Table 21](#) – Representative tasks performed by EC-135 personnel

[Table 22](#) – Representative tasks performed by HC-130 personnel

[Table 23](#) – Representative tasks performed by MC-130 personnel

[Table 24](#) – Representative tasks performed by OC-135 personnel

[Table 25](#) – Representative tasks performed by RC-135 personnel

[Table 26](#) – Representative tasks performed by VC-25 personnel

[Table 27](#) – Overlap in time spent between all members of DAFSC 1A3X1 and specific members of DAFSC 1A5X1 based on aircraft platform to which assigned and primary mission supported

- DAFSC 1A3X1 members have most similarity in time spent on similar tasks with DAFSC 1A5X1 members assigned to E-3 (5% more overlap compared to DAFSC 1A5X1 members assigned to E-8)

[Table 28](#) – Overlap in time spent between all members of DAFSC 1A5X1 and specific members of DAFSC 1A3X1 based on aircraft platform to which assigned and primary mission supported

- DAFSC 1A5X1 members have most similarity in time spent on similar tasks with DAFSC 1A3X1 members assigned to EC-130 and RC-135 (60% overlap for both aircraft)
- DAFSC 1A5X1 members have least similarity in time spent on similar tasks with DAFSC 1A3X1 members assigned to EC-135 and C-37 (44% and 43% overlap, respectively)

- DAFSC 1A5X1 members have highest overlap with DAFSC 1A3X1 members performing Cobra Ball and Compass Call missions (64% and 61% overlap, respectively)
- DAFSC 1A5X1 members have least amount of overlap with DAFSC 1A3X1 members performing OSA and CINC Support missions (48% and 43% overlap, respectively)

[Tables 29 – 36](#) Technical tasks with most commonality between all members from either DAFSC 1A3X1 or DAFSC 1A5X1 and members of each DAFSC assigned to specific aircraft platforms; approximately 60 tasks shown for each comparison

- Tables display tasks performed by members of both specified groups, percent members performing (PMP) each listed task, and the difference in PMP for each task (absolute value)
- Only tasks from Duties A through D are included in the tables as those tasks are AFSC-specific versus the common tasks appearing in virtually all enlisted surveys
  - Tasks with no members performing for either group were not shown as it is not important to know the commonalities if no members are performing the specific task
  - Tasks with less than 20 PMP for at least one of the two groups were not displayed

**Limited to the following comparisons as requested by the HQ ACC Functional Manager. (Data for comparisons for all aircraft platforms can be found in the Training Extract.)**

[Table 29](#) – Technical tasks with most commonality between all DAFSC 1A3X1 personnel and DAFSC 1A5X1 personnel assigned to E-3

- Tasks primarily related to operations or maintenance of communications or electronics systems, such as troubleshooting AC or DC electrical systems and repairing high-power transmitters

[Table 30](#) – Technical tasks with most commonality between all DAFSC 1A3X1 personnel and DAFSC 1A5X1 personnel assigned to E-8

- Technical tasks such as repairing built-in test equipment (BITE) and troubleshooting relay switching systems have very similar percentages of DAFSC 1A3X1 members and DAFSC 1A5X1 members in the E-8 performing them

[Table 31](#) – Technical tasks with most commonality between all DAFSC 1A5X1 personnel and DAFSC 1A3X1 personnel assigned to EC-130

- Top four tasks with similar percentages performing them are related to performing mission planning, premission, or preflight activities

[Table 32](#) – Technical tasks with most commonality between all DAFSC 1A5X1 personnel and DAFSC 1A3X1 personnel assigned to RC-135

- Similar percentages of members in both groups operating or maintaining specific systems or equipment, including oxygen systems, high-power transmitters, environmental systems, cooling systems, and data display systems

[Table 33](#) – Technical tasks with most commonality between all DAFSC 1A5X1 personnel and DAFSC 1A3X1 personnel assigned to OC-135

- Commonalities between two groups include operation, troubleshooting, and/or repair of radar transmission systems, cooling systems, portable radios, oxygen systems, and environmental systems

[Table 34](#) – Technical tasks with most commonality between all DAFSC 1A5X1 personnel and DAFSC 1A3X1 personnel assigned to C-20

- Tasks most in common between these members involve operation of aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones, lighting systems, high-power transmitters as well as general mission planning, premission, or preflight activities

[Table 35](#) – Technical tasks with most commonality between all DAFSC 1A5X1 personnel and DAFSC 1A3X1 personnel assigned to E-3

- Specific equipment or systems-related tasks performed by both groups include operating portable radios and identification friend or foe (IFF) systems
- Members are also performing similar alert activities, including practicing alert force or alert reaction exercises, performing standby alert procedures, and performing alert aircraft changeovers

[Table 36](#) – Technical tasks with most commonality between all DAFSC 1A5X1 personnel and DAFSC 1A3X1 personnel assigned to E-8

- Similar tasks performed include software-related activities, such as identifying mission software requirements and performing operational tests of program software after modifications

## Primary Mission

[Table 37](#) – Time spent on duties by DAFSC 1A3X1 and DAFSC 1A5X1 members based on primary mission supported

- Members performing Rescue mission spending more time Performing Mission Planning, Permission, or Preflight Activities (Duty A) and Performing Mobility and Contingency Activities (Duty D) than members performing other missions
- Combat Sent members spending more time Performing Operations or Maintenance of Communications or Electronics Systems (Duty B)
- Members performing the Open Skies mission spending more time Performing General Airborne Communications or Mission Systems Activities (Duty C) and Performing General Supply and Equipment Activities (Duty H) than remaining members of final sample; Open Skies members also spending more time Performing Management and Supervisory Activities (Duty E) than other members with exception of Staff and Technical Training members
- Cobra Ball members spending more time Performing Training Activities (Duty F), such as conducting continuation training and conducting ground training, than other members performing training-related activities
- Members performing CINC Support mission spending more time Performing General Administrative and Technical Order (TO) System Activities (Duty G)

[Tables 38 – 55](#) Tasks being performed by highest percentages of combined 1A3X1 and 1A5X1 members based on primary mission supported; average number of tasks performed for each mission is also shown

[Table 38](#) – Representative tasks performed by ABCCC personnel

[Table 39](#) – Representative tasks performed by AWACS, OTHER THAN NATO, personnel

[Table 40](#) – Representative tasks performed by COBRA BALL personnel

[Table 41](#) – Representative tasks performed by COMBAT SENT personnel

[Table 42](#) – Representative tasks performed by COMBAT SHADOW personnel

[Table 43](#) – Representative tasks performed by CINC SUPPORT personnel

[Table 44](#) – Representative tasks performed by COMPASS CALL personnel

[Table 45](#) – Representative tasks performed by JSTARS personnel

[Table 46](#) – Representative tasks performed by NAOC personnel

[Table 47](#) – Representative tasks performed by NATO AWACS personnel

[Table 48](#) – Representative tasks performed by OPEN SKIES personnel

[Table 49](#) – Representative tasks performed by OPERATIONAL SUPPORT AIRLIFT personnel

[Table 50](#) – Representative tasks performed by RESCUE personnel

[Table 51](#) – Representative tasks performed by RIVET JOINT personnel

[Table 52](#) – Representative tasks performed by SENIOR SCOUT personnel

[Table 53](#) – Representative tasks performed by SPECIAL AIR MISSIONS personnel

[Table 54](#) – Representative tasks performed by STAFF personnel

[Table 55](#) – Representative tasks performed by TECHNICAL TRAINING personnel

#### Level of Qualification

[Table 56](#) – Time spent on duties by DAFSC 1A3X1 and DAFSC 1A5X1 members based on level of qualification

- Aircrew members spending more time Performing Mission Planning, Premission, or Preflight Activities (Duty A) and Performing Operations or Maintenance of Communications or Electronics Systems (Duty B) than Aircrew Examiners, Aircrew Instructors, and Non-Aircrew members

[Table 57](#) – Representative tasks performed by Aircrew Examiner personnel

[Table 58](#) – Representative tasks performed by Aircrew Instructor personnel

[Table 59](#) – Representative tasks performed by Aircrew Member personnel

[Table 60](#) – Representative tasks performed by Non-Aircrew personnel



## CONUS versus Overseas

[Table 61](#) – Time spent on duties by AD DAFSC 1A351 and AD DAFSC 1A551 members based on CONUS versus overseas assignment

- DAFSC 1A551 overseas members spending more time Performing Mission Planning, Permission, or Preflight Activities (Duty A) and Performing General Airborne Communications or Mission Systems Activities (Duty C)
- Most time being spent Performing Operations or Maintenance of Communications or Electronics Systems (Duty B) and Performing General Administrative and Technical Order (TO) System Activities (Duty G) by DAFSC 1A351 overseas members
- DAFSC 1A551 CONUS members spending more time Performing Training Activities (Duty F)

[Table 62](#) – Representative tasks performed by AD DAFSC 1A351 CONUS personnel

[Table 63](#) – Representative tasks performed by AD DAFSC 1A351 OVERSEAS personnel

[Table 64](#) – Tasks best differentiating between AD DAFSC 1A351 CONUS and OVERSEAS members

- At least 20% more overseas members performing variety of tasks related to specific systems, such as tactical digital information links (TADILs), automatic direction finding (ADF) equipment, cryptographic systems, and voice systems, compared to same tasks being performed by CONUS members

[Table 65](#) – Representative tasks performed by AD DAFSC 1A551 CONUS personnel

[Table 66](#) – Representative tasks performed by AD DAFSC 1A551 OVERSEAS personnel

[Table 67](#) – Tasks best differentiating between AD DAFSC 1A551 CONUS and OVERSEAS members

- Only one technical task (related to isolated personnel report [ISOPREP] cards) being performed by at least 20% more CONUS members versus overseas members
- Between 22% and 47% more overseas members performing technical activities, such as operating ADSs or CDGs, removing or replacing circuit card assemblies, and operating signal analysis equipment

[Table 68](#) – Tasks best differentiating between AD DAFSC 1A351 CONUS and AD DAFSC 1A551 OVERSEAS members

- Significantly more DAFSC 1A351 CONUS members performing operation and troubleshooting activities on specific systems, including UHF SATCOM voice systems, VHF FM and AM systems, and cryptographic loading devices
- Similar pattern for higher percentages of 1A551 members performing particular airborne mission systems operation and maintenance tasks, such as on radar pulse reception systems, radar cooling systems, and radar transmission systems

[Table 69](#) – Tasks best differentiating between AD DAFSC 1A351 OVERSEAS and AD DAFSC 1A551 CONUS members

- Clear distinction between tasks being performed by both groups with 1A351 overseas personnel operating and troubleshooting specific voice systems and cryptographic systems and 1A551 CONUS members operating and troubleshooting radar transmission systems, radar power distribution systems, radar cooling systems, and radar Doppler reception systems

### MAJCOM

[Table 70](#) – Time spent on duties by DAFSC 1A3X1 and DAFSC 1A5X1 members based on MAJCOM

- Comparison between 1A3X1 and 1A5X1 members assigned to AETC difficult with low number of 1A5X1 members in final survey sample
- 1A5X1 ACC members spending more time Performing Mission Planning, Prepermission, or Preflight Activities (Duty A) and Performing General Airborne Communications or Mission Systems Activities (Duty C) versus 1A3X1 ACC members
- 1A3X1 PACAF and 1A3X1 EUR personnel spending 10% more time Performing Operations or Maintenance of Communications or Electronics Systems (Duty B) compared to 1A5X1 PACAF and 1A5X1 EUR personnel

[Table 71](#) – Tasks best differentiating between DAFSC 1A3X1 AETC and DAFSC 1A5X1 AETC members

- Between 55% and 64% more 1A3X1 members performing wide variety of tasks performed by none of three 1A5X1 AETC members in final sample which seems to indicate narrow range of 1A5X1 AETC personnel in sample

[Table 72](#) – Tasks best differentiating between DAFSC 1A3X1 ACC and DAFSC 1A5X1 ACC members

- Differences in systems and equipment operated and maintained by 1A3X1 members versus 1A5X1 members extremely clear with 1A3X1 personnel operating and troubleshooting voice systems, VHF AM and FM systems, and cryptographic systems

and 1A5X1 personnel operating and troubleshooting radar transmission systems, radar power distribution systems, radar cooling systems, and radar Doppler reception systems

[Table 73](#) – Tasks best differentiating between DAFSC 1A3X1 PACAF and DAFSC 1A5X1 PACAF members

- Similar distinction between PACAF members as between ACC members

[Table 74](#) – Tasks best differentiating between DAFSC 1A3X1 EUR and DAFSC 1A5X1 EUR members

- Top tasks being performed by virtually all 1A3X1 EUR members versus no 1A5X1 EUR members include operating and troubleshooting Have Quick systems, coordinating data links with other link players or appropriate link authorization agencies, and performing authentication procedures

## SKILL AND EXPERIENCE ANALYSIS

An analysis of DAFSC groups in conjunction with the analysis of the career ladder structure is an important part of each OSR. This information may be used to evaluate how well career ladder documents, such as AFMAN 36-2108, *Enlisted Classification*, reflect what career ladder personnel are actually doing in the field.

Because this survey was administered to two career ladders and because of the potential merger of the two career ladders, the SKILL AND EXPERIENCE ANALYSIS includes a variety of comparisons:

- 1A3X1 members versus 1A5X1 members for each skill level by Air Force component
- Combined 1A3X1 and 1A5X1 members in one skill level versus combined 1A3X1 and 1A5X1 members in the next higher skill level by Air Force component

Providing comparative data in a variety of ways allows decisionmakers to consider the differences and similarities of the members within each career ladder as well as between the skill levels for the potentially combined members of both AFSCs.

### **1A3X1 versus 1A5X1**

#### **ACTIVE DUTY**

##### Duties

[Table 75](#) – Time spent on duties by members of 1A3X1 and 1A5X1 skill-level groups

- Members holding 3- through 9-skill levels spend most of their time performing tasks in Duty B (Performing Operations or Maintenance of Communications or Electronics Systems)
- Comparable amounts of time being spent in each duty area for members in AFSC 1A3X1 versus AFSC 1A5X1
- Chief Enlisted Manager (CEM) members spend majority of their time performing Management and Supervisory Activities (Duty E)

##### Tasks

#### 1A331 vs 1A531

[Table 76](#) – Representative tasks being performed by AD DAFSC 1A331 members

[Table 77](#) – Representative tasks being performed by AD DAFSC 1A531 members

[Table 78](#) – Tasks best differentiating between 1A331 and 1A531 members

- Between 54% and 68% more 1A331 members performing HF, UHF, and VHF systems tasks, primarily related to voice systems, compared to virtually no 1A531 members performing same tasks
- Between 39% and 53% more 1A531 members performing radar, sensor, and recording tasks versus 1A331 counterparts

[Table 79](#) – Tasks with most commonality between 1A331 and 1A531 members

- Similar percentages of members from both groups performing variety of technical tasks, including coordinating phone patches or intercommunications with appropriate personnel and performing preflight life support inspections

#### 1A351 vs 1A551

[Table 80](#) – Representative tasks being performed by AD DAFSC 1A351 members

[Table 81](#) – Representative tasks being performed by AD DAFSC 1A551 members

[Table 82](#) – Tasks best differentiating between 1A351 and 1A551 members

- As with 3-skill-level members, between 55% and 70% more 1A351 members performing HF, UHF, and VHF systems tasks, primarily related to voice systems, compared to 1A551 members
- Likewise, between 46% and 53% more 1A551 members performing radar and computer-related tasks versus 1A351 peers

[Table 83](#) – Tasks with most commonality between 1A351 and 1A551 members

- Similar percentages of 5-skill-level members performing general aircrew and mobility-related activities

#### 1A371 vs 1A571

[Table 84](#) – Representative tasks being performed by AD DAFSC 1A371 members

[Table 85](#) – Representative tasks being performed by AD DAFSC 1A571 members

[Table 86](#) – Tasks best differentiating between 1A371 and 1A571 members

- A significantly higher percentage of 1A371 members are performing HF, UHF, and VHF voice systems and cryptographic systems tasks compared to 1A571 members

- Over 50% more 1A571 members are performing radar tasks related to Doppler reception systems and computers versus the 1A371 members

[Table 87](#) – Tasks with most commonality between 1A371 and 1A571 members

- Same number of 7-skill-level members for both AFSCs performing specific distribution systems tasks

#### 1A391 vs 1A591

[Table 88](#) – Representative tasks being performed by AD DAFSC 1A391 members

[Table 89](#) – Representative tasks being performed by AD DAFSC 1A591 members

[Table 90](#) – Tasks best differentiating between 1A391 and 1A591 members

- Differences difficult to measure due to only one 1A591 member in final sample but most significant differences are still displayed

[Table 91](#) – Tasks with most commonality between 1A391 and 1A591 members

- Commonalities also difficult to measure due to small 1A591 sample size

#### 1A300 vs 1A500

[Table 92](#) – Representative tasks being performed by AD DAFSC 1A300 members

[Table 93](#) – Representative tasks being performed by AD DAFSC 1A500 members

[Table 94](#) – Tasks best differentiating between 1A300 and 1A500 members

- Over two-thirds of 1A300 members performing cryptographic, UHF, and HF voice systems tasks compared to no 1A500 members performing same tasks
- All 1A500 members performing specific hard drive, data display systems, and recording systems operation and maintenance versus none of the 1A300 members

[Table 95](#) – Tasks with most commonality between 1A300 and 1A500 members

- Similar percentages of CEM members performing management and supervisory, administrative, and supply activities

## **COMBINED 1A3X1 and 1A5X1**

### **ACTIVE DUTY**

#### **Duties**

[Table 96](#) – Time spent on duties by AD members of combined skill-level groups

- Slight decrease in time spent performing technical activities as members progress in skill level
- Significant increase in time spent performing management and supervisory activities from 5- to 7-skill level
- Consistent amount of time spent performing mobility and contingency activities as members increase in skill level

#### **Tasks**

[Table 97](#) – Representative tasks being performed by AD DAFSC 1A331 and DAFSC 1A531 members

[Table 98](#) – Representative tasks being performed by AD DAFSC 1A351 and DAFSC 1A551 members

[Table 99](#) – Tasks best differentiating between DAFSC 1A331/1A531 and DAFSC 1A351/1A551 members

- Between 18% and 30% more 5-skill levels performing training-related activities versus 3-skill levels

[Table 100](#) – Representative tasks being performed by AD DAFSC 1A371 and DAFSC 1A571 members

[Table 101](#) – Tasks best differentiating between DAFSC 1A351/1A551 and DAFSC 1A371/1A571 members

- Between 26% and 35% more 7-skill levels performing specific training and supervisory tasks, such as conducting ground training and establishing performance standards for subordinates

[Table 102](#) – Representative tasks being performed by AD DAFSC 1A391 and DAFSC 1A591 members

[Table 103](#) – Tasks best differentiating between DAFSC 1A371/1A571 and DAFSC 1A391/1A591 members

- At least 36% more 7-skill levels are performing certain training tasks, such as conducting continuation training and determining training requirements

[Table 104](#) – Representative tasks being performed by AD DAFSC 1A300 and DAFSC 1A500 members

[Table 105](#) – Tasks best differentiating between DAFSC 1A391/1A591 and DAFSC 1A300/1A500 members

- Between 26% and 39% more 9-skill levels are performing specific operations or maintenance tasks, including audio switching systems and test equipment, versus the CEM members
- At least 53% more CEM members performing management and supervisory tasks, such as initiating personnel action requests and determining personnel or equipment requirements for mission deployments, versus 9-skill level members

## ANG

### Duties

[Table 106](#) – Time spent on duties by ANG members of 1A3X1 skill-level groups (NOTE: Twelve ANG members in DAFSC 1A5X1 did not return survey disks and therefore did not appear in final survey sample.)

- ANG members at all three 1A3X1 skill levels spend most of their time performing tasks in Duty B (Performing Operations or Maintenance of Communications or Electronics Systems); however, significant decrease in time spent in this area as members move from 5- to 7-skill level
- Slight increase in time spent Performing Mission Planning, Prepermission, or Preflight Activities (Duty A), Performing Mobility and Contingency Activities (Duty D), Performing Management and Supervisory Activities (Duty E), and Performing General Administrative and Technical Order (TO) System Activities (Duty G) as members progress from 5- to 7- to 9-skill level

### Tasks

[Table 107](#) – Tasks performed by ANG DAFSC 1A351 members

[Table 108](#) – Tasks performed by ANG DAFSC 1A371 members

[Table 109](#) – Tasks best differentiating between DAFSC 1A351 and DAFSC 1A371 members



- Between 43% and 71% more 5-skill-level members performing specific operations and maintenance tasks, including troubleshooting collection receiver systems and operating tactical digital information links (TADILs), compared to 7-skill-level members
- Much higher percentage of 7-skill-level members involved in managerial and supervisory activities, such as developing or establishing work schedules and developing mission execution checklists

[Table 110](#) – Tasks performed by ANG DAFSC 1A391 members

[Table 111](#) – Tasks best differentiating between DAFSC 1A371 and DAFSC 1A391 members

- At least 44% more 7-skill-level members performing specific operations and maintenance tasks, such as coordinating systems status with crew members and repairing RF distribution systems
- Between 39% and 59% more 9-skill-level members involved in airborne mission commander/on-scene commander (AMC/OSC) duties and operation of specific systems, such as Have Quick systems and identification friend or foe (IFF) systems

## **AFRC**

### Duties

[Table 112](#) - Time spent on duties by AFRC members of combined DAFSC 1A3X1 and DAFSC 1A5X1 skill-level groups

- All AFRC members in final sample spending most of their time performing tasks in Duty B (Performing Operations or Maintenance of Communications or Electronics Systems)

### Tasks

[Table 113](#) – Tasks performed by AFRC DAFSC 1A351 and DAFSC 1A551 members

[Table 114](#) – Tasks performed by AFRC DAFSC 1A371 and DAFSC 1A571 members

[Table 115](#) – Tasks best differentiating between DAFSC 1A351/1A551 and DAFSC 1A371/1A571 members

- At least 22% more 5-skill-level members operating and troubleshooting various systems and equipment, including data encryption devices, automatic link establishment (ALE) systems, and built-in test equipment (BITE)
- 7-skill-level members much more involved in communications security (COMSEC) activities and training-related activities performed by few 5-skill-level members

[Table 116](#) – Tasks performed by AFRC DAFSC 1A391 and DAFSC 1A591 members

[Table 117](#) – Tasks best differentiating between DAFSC 1A371/1A571 and DAFSC 1A391/1A591 members

- Two of three 9-skill-level members performing several troubleshooting and repair activities, such as troubleshooting and repairing radar transmission systems, performed by only 17% of 7-skill-level members

## TRAINING ANALYSIS

Occupational survey data are a source of information that can assist in the development or evaluation of training programs for both entry-level and advanced members. In particular, the factors used to evaluate entry-level member training include the jobs that are being performed by first-job personnel (1-24 months' TAFMS) and first-enlistment personnel (1-48 months' TAFMS), the overall distribution of first-enlistment personnel across career ladder jobs, the percent of first-job and first-enlistment members who perform specific tasks, and ratings of relative training emphasis (TE) and task difficulty (TD). (TE and TD ratings are discussed in the Task Factor Administration section of this OSR.)

### **WHAT ENTRY-LEVEL MEMBERS NEED TO KNOW**

#### First-Job DAFSC 1A3X1 and DAFSC 1A5X1 Personnel (1–24 months' TAFMS)

N=35 (5% of sample)

(26 1A3X1 and 9 1A5X1 members)

##### Duties

[Table 118](#) – Relative time spent on duties

##### Tasks

[Table 119](#) – Representative tasks performed

#### First-Enlistment DAFSC 1A3X1 and DAFSC 1A5X1 Personnel (1–48 months' TAFMS)

N=106 (16% of sample)

(76 1A3X1 and 30 1A5X1 members)

##### Jobs

[Figure 2](#) – Distribution of first-enlistment personnel across specialty cluster and jobs

- Increases of 10% in CSO Cluster, 2% in Reconnaissance Airborne Maintenance Technician (AMT) Independent Job, and 15% in first-enlistment members not grouped versus jobs for total sample ([Figure 1](#))
- Decreases of 20% in Senior CSO Independent Job and 5% in Mission Systems Technician Independent Job for first-enlistment members ([Figure 1](#))

### Duties

[Table 120](#) – Relative time spent on duties

### Tasks

[Table 121](#) – Representative tasks performed

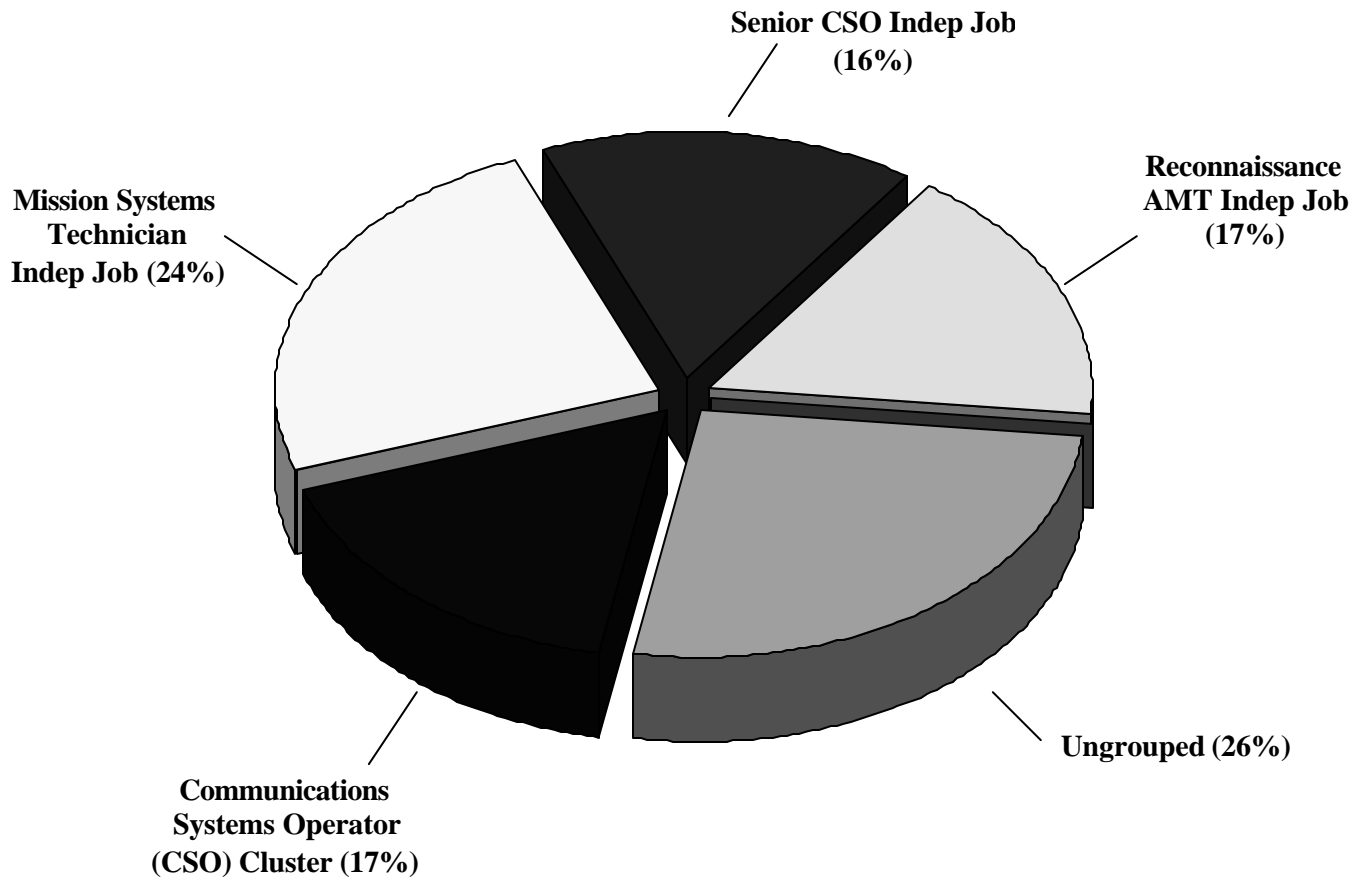
### Equipment and Systems

[Table 122](#) – Emergency equipment contained on aircraft supported by first-enlistment DAFSC 1A3X1 and DAFSC 1A5X1 personnel

[Table 123](#) – Communications or electronics equipment and systems used, operated, or maintained by first-enlistment DAFSC 1A3X1 and DAFSC 1A5X1 personnel

- Relatively low percentages of first-enlistment members using, operating, or maintaining equipment indicates variety of communications or electronics equipment and systems in DAFSCs 1A3X1 and 1A5X1

**DISTRIBUTION OF AFSC 1A3X1 AND 1A5X1 FIRST-ENLISTMENT  
PERSONNEL ACROSS SPECIALTY JOBS  
(N=106)**



**FIGURE 2**

## **TASK FACTOR SURVEYS**

Job descriptions alone do not provide sufficient data for making decisions about career ladder documents or training programs. Task factor information, along with data from the Specialty Training Standard (STS), is needed for a complete analysis of the career ladder. To obtain the needed task factor data, selected DAFSC 1A3X1 and DAFSC 1A5X1 members (generally E-6 or E-7 craftsmen) completed either a training emphasis (TE) or task difficulty (TD) survey. To obtain the needed STS data, STS 1A3X1 and STS 1A5X1 were reviewed by comparing survey data to STS elements.

### **Task Factor Administration**

TE and TD data can help training development personnel decide which tasks to emphasize for entry-level, structured training (resident technical schools, field training detachments, mobile training teams, formal OJT, or any other organized training method). For example, tasks receiving high TE and TD ratings generally warrant resident training if they are also performed by a moderate-to-high percentage of first-job or first-enlistment members. Tasks receiving high TE and/or TD ratings but being performed by relatively low percentages of first-job or first-enlistment members may be more appropriately planned for structured OJT programs within the career ladder. Low TE and/or TD ratings may highlight tasks best omitted from training for new personnel. These task factors are, of course, not the only ones to weigh in making training decisions; the percentages of personnel performing the tasks, command concerns, the criticality of the tasks, and other important factors must also be carefully considered.

**Training Emphasis (TE)** — degree of emphasis that should be placed on each task for structured training of entry-level members

- Thirty-six DAFSC 1A3X1 senior noncommissioned officers (NCOs) and nine DAFSC 1A5X1 senior NCOs rated tasks in inventory on a scale from 0 (no training required) to 9 (extremely high training emphasis)
- Average TE rating was 1.66 with a standard deviation of 1.22
  - If a task has a TE rating at least one standard deviation above the mean, that is, of at least 2.88, it is probably important to provide new personnel with formal training on that task

[Table 124](#) – Tasks with highest TE ratings

- Most tasks with high TE ratings are from Duty A (Performing Mission Planning, Permission, or Preflight Activities) followed by Duty C (Performing General Airborne Communications or Missions Systems Activities) and involve general tasks versus operations and maintenance tasks associated with specific systems or equipment

**Task Difficulty (TD)** — amount of time needed to learn to perform that task satisfactorily

- Thirty-five DAFSC 1A3X1 senior NCOs and 10 DAFSC 1A5X1 senior NCOs rated difficulty of tasks in inventory using a scale from 1 (extremely low difficulty) to 9 (extremely high difficulty)
- TD ratings are normally adjusted so that tasks of average difficulty have a value of 5.00 and a standard deviation of 1.00
  - Any task with a difficulty of 6.00 or greater is therefore, considered difficult to learn

[Table 125](#) – Tasks with highest TD ratings

- Also lists percent members performing these tasks by groups of 1-24 months' and 1-48 months' TAFMS, as well as members of the 3-, 5-, 7-, and 9-skill-level groups and CEM group
- Tasks dealing with making repairs on certain systems or equipment within Duty B (Performing Operations or Maintenance of Communications or Electronics Systems) received the highest TD ratings
- Unlike the listing of tasks with highest TE ratings, however, most tasks with highest TD ratings have low percent members performing
  - This pattern is typical across many career fields because relatively few members perform most difficult tasks

## **WHAT DO 1A3X1 AND 1A5X1 TRAINING DOCUMENTS REFLECT?**

### **Specialty Training Standard (STS) Analysis**

Technical school personnel from the 332nd Training Squadron (332 TRS), Keesler AFB MS, matched JI tasks to STS 1A3X1 and 1A5X1 items. Per AETCI 36-2601, dated 14 July 1999, STS elements that are performed by at least 20% of members in appropriate skill-level groups [particularly first-job (1-24 months' TAFMS) members and first-enlistment (1-48 months' TAFMS) members] should be included in the STS. Of course, these are not the only criteria for inclusion in the STS, and other rational considerations may argue against inclusion. Likewise, proficiency-coded elements matched to tasks with less than 20% performing in first-job and first-enlistment groups should be closely reviewed by subject-matter experts, unless other considerations (such as mission criticality or criticality to a particular MAJCOM) argue for inclusion of these "unsupported items."

Both STSs were analyzed to determine whether the survey data supported the existing STS elements and/or proficiency codes. Although the STSs were developed independently for each AFSC's training purposes, the survey data for both AFSCs were combined in order to analyze the STS contents for development of a new STS to support training for a potential merger.

### **AFSC 1A3X1 STS**

- One task matched to an STS element with "2b" proficiency code being performed by less than 20% of job incumbents in their first job or first enlistment
  - [Table 126](#) – AFSC 1A3X1 STS element along with task matched to item
- Complete listing of STS elements with tasks matched to those elements located in STS report in Training Extract

[Table 127](#) – AFSC 1A3X1 STS elements not supported by survey data; no proficiency code and more than 20% DAFSC 1A3X1 and DAFSC 1A5X1 members performing

- Five STS elements should be reviewed for possible proficiency code revision

[Table 128](#) – Examples of tasks not referenced to AFSC 1A3X1 STS with 20% or more DAFSC 1A3X1 and DAFSC 1A5X1 members performing

- Complete listing of tasks not referenced to AFSC 1A3X1 STS located at end of 1A3X1 STS report in Training Extract; tasks should be reviewed for possible inclusion in STS to support training for the merged AFSCs



## AFSC 1A5X1 STS

[Table 129](#) – Examples of tasks not referenced to AFSC 1A5X1 STS with 20% or more DAFSC 1A3X1 and DAFSC 1A5X1 members performing

- Listing includes specific HF, UHF, VHF, and cryptographic systems with relatively high percent members (combined 1A3X1 and 1A5X1 members) performing and ATI; ATIs indicate that these tasks should possibly be included in formal training and in a new STS to support both AFSCs should the merger occur
- Complete listing of tasks not referenced to 1A3X1 STS located at end of 1A3X1 STS report in Training Extract; tasks should be reviewed for possible inclusion in STS to support training for the merged AFSCs

Overall, the 1A3X1 STS is very well supported by the survey data. The 1A5X1 STS is not supported as well, but this is not surprising considering the systems and equipment contained on 1A3X1 aircraft platforms that are not listed in the 1A5X1 STS as the aircraft platforms are limited to the E-3 and E-8 for AFSC 1A5X1.

## JOB SATISFACTION ANALYSIS

An examination of job satisfaction indicators can give career ladder managers a better understanding of factors that may affect the job performance of career ladder airmen. The survey included attitude questions covering job interest, perceived utilization of talents and training, sense of accomplishment from work, and reenlistment intentions.

### Job Satisfaction

Overall = Good

[Table 130](#) – Job satisfaction data by job groups identified in **1A3X1 AND 1A5X1 JOB STRUCTURE** section of this report

- Consistent job satisfaction ratings across the cluster and jobs
- Members of Reconnaissance Airborne Maintenance Technician (AMT) Independent Job – higher ratings overall compared to remaining jobs and cluster but lower reenlistment intentions versus Senior CSO IJ, CSO Cluster, and Mission Systems Technician IJ
- Reenlistment intentions lowest for CSO Cluster members despite relatively high job interest

[Table 131](#) – Job satisfaction ratings for current 1A3X1 members and previous 1A3X1 study

- Overall, job satisfaction ratings have increased for all three TAFMS groups over past 3 years; job interest and sense of accomplishment increased most significantly for first-enlistment members
- Reenlistment intentions have increased across the board

[Table 132](#) – Job satisfaction ratings for current 1A5X1 members and previous 1A5X1 study

- Overall, job satisfaction ratings have decreased for first- and second-enlistment members but increased slightly for career airmen
- Reenlistment intentions have decreased for first-enlistment members but increased for second-enlistment members and career airmen; interesting to note that job interest, perceived use of training, and sense of accomplishment decreased for second-term airmen, while their intentions to reenlist increased dramatically

[Table 133](#) – Comparative job satisfaction data between the current 1A3X1 and 1A5X1 OSR data and members from similar AFSCs surveyed in the previous 12 months, including 1C3X1, Command Post, and 1C4X1, Tactical Air Command and Control. The results from the comparison data are summarized below:

- Overall, job satisfaction ratings for all three TAFMS groups comprised of the 1A3X1 and 1A5X1 members are higher versus the comparative sample, particularly for job interest and sense of accomplishment among first-term 1A3X1 and 1A5X1 airmen
- However, reenlistment intentions for first-enlistment and second-enlistment members are lower versus their 1C3X1 and 1C4X1 peers

[Table 134](#) – Job satisfaction data for DAFSC 1A3X1 and DAFSC 1A5X1 members based on aircraft platform to which assigned

- Job interest - highest among members assigned to C-37, EC-135, and VC-25; lowest among members assigned to E-3, EC-130, and HC-130
- Perceived use of talents - highest among C-37 and VC-25 members; lowest among E-3, E-4, EC-135, and HC-130 members
- Perceived use of training - highest among members assigned to C-20, E-8, RC-135, and VC-25; lowest among members assigned to C-135 and EC-135
- Sense of accomplishment - highest among C-32, C-37, and VC-25 members; lowest among members assigned to EC-130, EC-135, and HC-130
- Reenlistment intentions - highest among members assigned to C-37, EC-135, and VC-25; lowest among members assigned to E-3, E-4, and HC-130

[Table 135](#) – Job satisfaction data for DAFSC 1A3X1 and DAFSC 1A5X1 members based on primary mission performed

- Job interest - highest among members performing Open Skies or Combat Sent missions or performing Special Airlift Missions (SAM); lowest among members performing Rescue or ABCCC missions
- Perceived use of talents - highest among members performing Senior Scout, SAM, and Compass Call missions; lowest among members performing Rescue or ABCCC missions or working in a staff position
- Perceived use of training - highest among members performing Combat Sent, JSTARS, Rivet Joint, or SAM missions or working in a technical training environment; lowest among members performing Cobra Ball, CINC Support, Open Skies, or ABCCC missions
- Sense of accomplishment - highest among members performing Open Skies or Combat Sent missions or performing SAM; lowest among members performing Operational Support Airlift (OSA), Senior Scout, or ABCCC missions

- Reenlistment intentions - highest among members performing OSA, NATO AWACS, or CINC Support missions; lowest among members performing AWACS (not NATO), NAOC, or Rescue missions

## RETENTION DIMENSIONS

JIs also routinely collect information about factors that affect reenlistment and separation decisions. That is, respondents who say that they are likely to reenlist at the end of their present term (and those not eligible for retirement) are asked to indicate whether each of 31 different factors will have any effect on their intended decision and, if so, the degree to which each factor may influence their decision to reenlist. Respondents who indicate that they are likely to separate at the end of their present term (and those not eligible for retirement) are asked to indicate whether each of 31 different factors will have any effect on their intended decision and, if so, the degree to which each factor may influence their decision to separate. The degree is indicated on a 3-point scale ranging from “slight influence” to “strong influence.”

### Reenlistment

[Table 136](#) – Lists the 31 factors in the order they appeared in the survey. The percent selecting each factor and the average rating for each factor by combined 1A3X1 and 1A5X1 TAFMS groups based on how much each factor may influence their decision to reenlist are also shown.

- Top 5 reasons members may choose to [reenlist](#) based on the highest percentages selecting each factor are listed below Table 136
  - Pay and allowances and job security appeared for each of the three TAFMS groups as top reasons for reenlisting
  - Retirement benefits, bonus or special pay, and military lifestyle were also major influences on reenlistment for second-enlistment members and career airmen

### Separation

[Table 137](#) – Displays the percentage of the members for each combined 1A3X1 and 1A5X1 TAFMS group indicating that their plans to separate may be influenced by each factor as well as the average ratings by TAFMS group for the 31 factors based on the influence each factor may have on the respondents’ decisions to separate

- Top 5 reasons members in each TAFMS group may choose to [separate](#) based on the highest percentages selecting each factor are listed below Table 137
  - Pay and allowances, military lifestyle, and civilian job opportunities are among the top five factors that may influence the respondents’ decisions to separate for each TAFMS group
  - Number or duration of TDYs or deployments may also be significant factor in decision to separate for first- and second-enlistment members

**TABLE 5**  
**SENIOR COMMUNICATIONS SYSTEMS OPERATOR (CSO) INDEPENDENT JOB**  
**(STG 60)**  
**N=238 (36% of TOTAL SAMPLE)**

DEMOGRAPHICS		
Average Time in Present Job	52 months	
Average TAFMS	140 months	
Predominant Paygrades	E-5	36%
	E-6	25%
Predominant Skill Levels	1A351	44%
	1A371	44%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	138	PERCENT MEMBERS PERFORMING
B0043	Operate high-frequency (HF) voice systems		97
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems		96
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders		96
A0028	Perform preflight inspections, other than life support inspections		95
B0044	Troubleshoot HF voice systems		95
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)		93
B0050	Troubleshoot UHF SATCOM voice systems		93
A0025	Participate in general or specialized mission briefings		91
C0325	Perform in-flight checklist procedures		90
A0036	Review emergency procedures		90
B0190	Operate cryptographic loading devices		89
A0039	Secure personal equipment on aircraft during preflight		88
A0022	Obtain classified materials or documents		87
A0024	Obtain and secure COMSEC material		86
A0026	Participate in premission briefings, other than conducting		86
B0079	Operate VHF AM systems		86
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment		86
C0309	Maintain logs, such as in-flight or maintenance		85
A0003	Assemble professional or personal flight gear		85
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists		84
B0080	Troubleshoot VHF AM systems		84
C0337	Practice or perform emergency procedures		82
A0013	Determine mission communications requirements		82
B0082	Operate VHF frequency modulation (FM) systems		82
C0313	Operate emergency equipment		82
B0163	Operate wideband secure voice (WBSV) cryptographic systems		81
C0319	Perform authentication procedures		81
B0220	Operate cryptographic systems		80
B0164	Troubleshoot WBSV cryptographic systems		80
C0320	Perform crew coordination activities		79
B0083	Troubleshoot VHF FM systems		79

**TABLE 6**  
**COMMUNICATIONS SYSTEMS OPERATOR (CSO) CLUSTER (STG 29)**  
**N=49 (7% of TOTAL SAMPLE)**

DEMOGRAPHICS		
Average Time in Present Job	37 months	
Average TAFMS	91 months	
Predominant Paygrades	E-4	29%
	E-5	35%
Skill Levels	1A331	22%
	1A351	63%
	1A371	14%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	PERCENT MEMBERS PERFORMING
A0024	Obtain and secure COMSEC material	90
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	84
B0190	Operate cryptographic loading devices	80
A0039	Secure personal equipment on aircraft during preflight	80
A0022	Obtain classified materials or documents	76
C0325	Perform in-flight checklist procedures	71
A0036	Review emergency procedures	71
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	65
B0103	Operate UHF SATCOM data systems	65
A0003	Assemble professional or personal flight gear	65
A0025	Participate in general or specialized mission briefings	63
G0487	Destroy COMSEC or classified materials or documents	61
C0320	Perform crew coordination activities	61
A0006	Coordinate data links with other link players or appropriate link authorization agencies	59
B0043	Operate high-frequency (HF) voice systems	59
A0026	Participate in premission briefings, other than conducting	59
A0028	Perform preflight inspections, other than life support inspections	57
A0016	Establish communications security (COMSEC) requirements	57
C0313	Operate emergency equipment	57
B0220	Operate cryptographic systems	53
B0104	Troubleshoot UHF SATCOM data systems	53
E0430	Maintain aircrew currency requirements	51
A0038	Secure mission equipment on aircraft during preflight	51
A0035	Review aircrew currency requirements	51
A0002	Assemble communications kits	49
B0100	Operate HF data systems	49
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	49
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	49
A0031	Perform initialization of mission systems	47
B0050	Troubleshoot UHF SATCOM voice systems	47
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	47
C0309	Maintain logs, such as in-flight or maintenance	45

**TABLE 6 (CONTINUED)**

**JOBS IDENTIFIED WITHIN  
COMMUNICATIONS SYSTEMS OPERATOR (CSO) CLUSTER**

**AIR BATTLE MANAGEMENT (ABM) CSO JOB (STG 51)  
N=13 (27% OF CLUSTER)**

**DEMOGRAPHICS**

Average Time in Present Job	43 months
Average TAFMS	90 months
Predominant Paygrades	E-4 & E-5 31% each
Predominant Skill Level	1A351

**DISTINGUISHING TASKS**

B0091	Operate Have Quick systems
B0079	Operate VHF AM systems
B0163	Operate wideband secure voice (WBSV) cryptographic systems

**DISTINGUISHED VISITOR (DV) CSO JOB (STG 59)  
N=12 (24% OF CLUSTER)**

**DEMOGRAPHICS**

Average Time in Present Job	35 months
Average TAFMS	150 months
Predominant Paygrade	E-5 58%
Predominant Skill Level	1A351

**DISTINGUISHING TASKS**

B0064	Operate terrestrial aeronautical radio/telephone systems (TARSs)
B0055	Operate international maritime satellite (INMARSAT) systems
B0172	Operate secure telephone units (STUs)

**NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) CSO JOB (STG 67)  
N=17 (35% OF CLUSTER)**

**DEMOGRAPHICS**

Average Time in Present Job	37 months
Average TAFMS	58 months
Predominant Paygrade	E-4 47%
Predominant Skill Level	1A351

**DISTINGUISHING TASKS**

B0112/0113	Operate/troubleshoot message processing systems (MPSs)
B0109/0110	Operate/troubleshoot military strategic, tactical and relay (MILSTAR) terminals
B0067	Operate demand assigned multiple access (DAMA) systems
D0359/0360	Perform alert aircraft/crew changeovers



**TABLE 7**

**MISSION SYSTEMS TECHNICIAN INDEPENDENT JOB (STG 40)  
N=191 (29% of TOTAL SAMPLE)**

DEMOGRAPHICS		
Average Time in Present Job	48 months	
Average TAFMS	130 months	
Predominant Paygrades	E-5	40%
	E-6	27%
Predominant Skill Levels	1A531	12%
	1A551	39%
	1A571	28%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	120	PERCENT MEMBERS PERFORMING
A0028	Perform preflight inspections, other than life support inspections		98
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders		97
C0325	Perform in-flight checklist procedures		93
A0031	Perform initialization of mission systems		93
A0025	Participate in general or specialized mission briefings		93
A0039	Secure personal equipment on aircraft during preflight		93
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)		92
A0011	Determine aircraft status		92
A0036	Review emergency procedures		90
A0038	Secure mission equipment on aircraft during preflight		89
C0337	Practice or perform emergency procedures		88
C0328	Perform operational checkouts of aircraft mission systems after maintenance		88
C0313	Operate emergency equipment		87
A0026	Participate in premission briefings, other than conducting		86
C0309	Maintain logs, such as in-flight or maintenance		85
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists		83
E0430	Maintain aircrew currency requirements		80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment		80
A0003	Assemble professional or personal flight gear		80
A0037	Review or update isolated personnel report (ISOPREP) cards		79
B0288	Remove or replace circuit card assemblies		78
D0351	Fire weapons, such as 9mm handguns or M-16 rifles		77
C0321	Perform emergency destruct procedures		76
B0247	Operate hard drive systems, including records management applications (RMAs)		75
D0377	Prepare personal clothing or equipment for deployment		75
C0320	Perform crew coordination activities		74
C0317	Participate in postmission debriefings		74
D0358	Perform aircraft cocking or uncocking procedures		74
B0282	Operate software		73
B0280	Operate oxygen systems		72

**TABLE 8**  
**RECONNAISSANCE AIRBORNE MAINTENANCE TECHNICIAN (AMT)**  
**INDEPENDENT JOB (GP 146)**  
**N=100 (15% of TOTAL SAMPLE)**

DEMOGRAPHICS		
Average Time in Present Job	34 months	
Average TAFMS	148 months	
Predominant Paygrades	E-4	20%
	E-5	19%
	E-6	27%
	E-7	25%
Predominant Skill Levels	1A351	47%
	1A371	40%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	203	PERCENT MEMBERS PERFORMING
B0217	Operate test equipment		93
A0036	Review emergency procedures		92
A0038	Secure mission equipment on aircraft during preflight		92
C0325	Perform in-flight checklist procedures		91
B0288	Remove or replace circuit card assemblies		91
A0039	Secure personal equipment on aircraft during preflight		91
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders		90
B0170	Troubleshoot RF distribution systems		89
B0146	Troubleshoot recording systems		89
A0031	Perform initialization of mission systems		88
B0143	Troubleshoot computer systems		88
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)		87
B0197	Troubleshoot AC or DC electrical systems		87
A0025	Participate in general or specialized mission briefings		87
B0050	Troubleshoot UHF SATCOM voice systems		87
A0028	Perform preflight inspections, other than life support inspections		86
A0026	Participate in premission briefings, other than conducting		86
B0167	Troubleshoot patch panels		86
C0337	Practice or perform emergency procedures		86
C0328	Perform operational checkouts of aircraft mission systems after maintenance		85
A0011	Determine aircraft status		85
B0218	Troubleshoot test equipment		85
B0142	Operate computer systems		84
B0147	Repair recording systems		84
B0128	Troubleshoot digital data distribution systems, such as LANs or buses		84
B0044	Troubleshoot HF voice systems		84
B0144	Repair computer systems		83
C0309	Maintain logs, such as in-flight or maintenance		83
B0051	Repair UHF SATCOM voice systems		83
B0104	Troubleshoot UHF SATCOM data systems		82

**TABLE 9**  
**TECHNICAL TRAINING STAFF INDEPENDENT JOB (STG 44)**  
**N=8 (1% of TOTAL SAMPLE)**

DEMOGRAPHICS		
Average Time in Present Job	42 months	
Average TAFMS	159 months	
Predominant Paygrades	E-5 & E-6	38% each
Skill Levels	1A351	63%
	1A371	13%
	1A551	25%

TASKS	AVERAGE NUMBER OF TASKS PERFORMED	54	PERCENT MEMBERS PERFORMING
F0467	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)		100
F0468	Develop training programs, plans, or procedures		100
F0470	Develop or procure training materials or aids		100
F0459	Conduct formal course classroom training		88
F0469	Develop written tests		88
F0473	Evaluate progress of trainees		88
F0455	Administer or score tests		88
F0475	Inspect training materials or aids for operation or suitability		75
F0472	Evaluate effectiveness of training programs, plans, or procedures		75
F0464	Counsel trainees on training progress		75
E0395	Counsel subordinates concerning personal matters		75
E0404	Develop or establish work methods or procedures		75
E0390	Conduct self-inspections or self-assessments		75
F0465	Determine training requirements		62
E0426	Inspect personnel for compliance with military standards		62
F0474	Evaluate training methods or techniques of instructors		62
F0476	Maintain training records or files		62
G0496	Maintain administrative files		62
F0457	Complete student entry or withdrawal forms		62
E0405	Develop or establish work schedules		62
F0478	Personalize lesson plans		62
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops		62
G0482	Annotate cabinet, safe, or room security forms		62
F0477	Monitor contract training compliance		50
F0471	Establish or maintain study reference files		50
F0456	Brief personnel concerning training programs or matters		50
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)		50
E0417	Evaluate personnel for compliance with performance standards		38
F0466	Develop contract training requirements		38
E0421	Implement safety or security programs		25

TABLE 10

AVERAGE PERCENT TIME SPENT ON DUTIES  
BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS IN CAREER LADDER CLUSTER AND JOBS

<u>DUTIES</u>	SENIOR COMM SYSTEMS OPERATOR (CSO)		MISSION SYSTEMS TECHNICIAN	RECON AIRBORNE MAINTENANCE TECHNICIAN (AMT)	TECHNICAL TRAINING STAFF
	INDEP JOB	CSO	INDEP JOB	INDEP JOB	INDEP JOB
	(N=238)	(N=49)	(N=191)	(N=100)	(N=8)
	(STG 60)	(STG 29)	(STG 40)	(GP 146)	(STG 44)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	18	25	17	10	1
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	40	40	38	54	8
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	13	12	16	11	1
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	6	6	4	*
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	10	6	10	10	29
F PERFORMING TRAINING ACTIVITIES	5	3	7	4	52
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	7	7	5	4	6
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	*	1	3	2

\* Indicates less than 1%

TABLE 11

DISTRIBUTION OF AD DAFSC 1A3X1 AND AD DAFSC 1A5X1 SKILL-LEVEL MEMBERS  
ACROSS CAREER LADDER CLUSTER AND JOBS (PERCENT IN EACH JOB)

	1A331 (N=38)	1A351 (N=234)	1A371 (N=175)	1A391 (N=13)	1A300 (N=6)	1A531 (N=31)	1A551 (N=94)	1A571 (N=59)	1A591 (N=3)	1A500 (N=3)
SENIOR CSO INDEP JOB	42	45	59	62	67	0	0	0	0	0
CSO CLUSTER	28	13	4	0	0	0	0	0	0	0
MISSION SYS TECH INDEP JOB	3	8	10	0	0	71	79	90	67	100
RECON AMT INDEP JOB	16	20	23	31	0	0	1	3	0	0
TECH TRG STAFF INDEP JOB	0	2	*	0	0	0	2	0	0	0
NOT GROUPED	11	12	3	7	33	29	18	7	33	0

\* Indicates less than 1%

TABLE 12

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED  
 (PERCENT RESPONDING)

DUTIES	C-20 (N=21)	C-32 (N=14)	C-37 (N=6)	C-135 (N=5)	E-3 (N=287)	E-4 (N=66)	E-8 (N=42)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	20	17	25	20	21	18	19
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	35	34	37	32	40	42	43
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	13	14	13	12	13	12	14
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	4	3	4	5	6	8	4
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	12	15	11	14	9	8	9
F PERFORMING TRAINING ACTIVITIES	6	8	2	7	5	5	5
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	8	8	7	7	5	6	5
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	1	3	1	1	1

TABLE 12 (CONTINUED)

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED  
 (PERCENT RESPONDING)

DUTIES	EC-130 (N=46)	EC-135 (N=4)	HC-130 (N=20)	MC-130 (N=22)	OC-135 (N=6)	RC-135 (N=93)	VC-25 (N=7)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	16	24	23	20	17	14	13
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	41	44	28	26	24	51	45
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15	12	14	16	21	12	12
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	1	10	7	4	4	2
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	9	5	10	12	18	8	12
F PERFORMING TRAINING ACTIVITIES	6	3	5	6	8	5	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	6	10	8	11	3	3	8
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	2	2	5	3	2

TABLE 13

## REPRESENTATIVE TASKS PERFORMED BY C-20 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=21)
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	100
A0024	Obtain and secure COMSEC material	100
B0050	Troubleshoot UHF SATCOM voice systems	100
C0325	Perform in-flight checklist procedures	95
B0043	Operate high-frequency (HF) voice systems	95
B0106	Operate facsimile (fax) systems	95
A0022	Obtain classified materials or documents	90
B0103	Operate UHF SATCOM data systems	90
G0487	Destroy COMSEC or classified materials or documents	90
A0013	Determine mission communications requirements	90
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	90
A0039	Secure personal equipment on aircraft during preflight	90
B0044	Troubleshoot HF voice systems	90
B0107	Troubleshoot fax systems	90
A0028	Perform preflight inspections, other than life support inspections	86
B0190	Operate cryptographic loading devices	86
G0501	Maintain personal aircrew flight manuals or checklists	86
C0309	Maintain logs, such as in-flight or maintenance	86
A0025	Participate in general or specialized mission briefings	86
B0104	Troubleshoot UHF SATCOM data systems	86
A0037	Review or update isolated personnel report (ISOPREP) cards	86
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	81
E0430	Maintain aircrew currency requirements	81
B0055	Operate international maritime satellite (INMARSAT) systems	81
A0036	Review emergency procedures	81
A0026	Participate in premission briefings, other than conducting	81
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	81
B0070	Operate UHF amplitude modulation (AM) voice systems	81
B0220	Operate cryptographic systems	76
A0016	Establish communications security (COMSEC) requirements	76
E0382	Adjust daily schedules to meet operational commitments	76
B0172	Operate secure telephone units (STUs)	76
B0214	Operate identification friend or foe (IFF) systems	76
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	76
C0320	Perform crew coordination activities	76
A0035	Review aircrew currency requirements	76
C0331	Perform postflight inspections	76
B0064	Operate terrestrial aeronautical radio/telephone systems (TARSS)	71
A0038	Secure mission equipment on aircraft during preflight	71
A0031	Perform initialization of mission systems	71
G0482	Annotate cabinet, safe, or room security forms	71

\* Average Number of Tasks Performed – 136



TABLE 14

## REPRESENTATIVE TASKS PERFORMED BY C-32 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=14)
B0055	Operate international maritime satellite (INMARSAT) systems	100
B0172	Operate secure telephone units (STUs)	100
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	100
A0024	Obtain and secure COMSEC material	100
A0039	Secure personal equipment on aircraft during preflight	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
B0106	Operate facsimile (fax) systems	93
C0325	Perform in-flight checklist procedures	93
A0036	Review emergency procedures	93
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	93
G0487	Destroy COMSEC or classified materials or documents	93
C0297	Coordinate communications traffic flow with distinguished visitors or contacts	86
E0430	Maintain aircrew currency requirements	86
B0229	Operate video systems	86
B0103	Operate UHF SATCOM data systems	86
B0107	Troubleshoot fax systems	86
B0190	Operate cryptographic loading devices	86
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	86
A0028	Perform preflight inspections, other than life support inspections	86
B0064	Operate terrestrial aeronautical radio/telephone systems (TARSS)	86
B0173	Troubleshoot STUs	86
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	86
B0282	Operate software	79
C0309	Maintain logs, such as in-flight or maintenance	79
C0320	Perform crew coordination activities	79
E0438	Plan communications support for special missions	79
G0510	Prepare travel expense documentation	79
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	79
A0035	Review aircrew currency requirements	79
A0026	Participate in premission briefings, other than conducting	79
B0056	Troubleshoot INMARSAT systems	79
B0082	Operate VHF frequency modulation (FM) systems	79
B0050	Troubleshoot UHF SATCOM voice systems	79
E0436	Perform enlisted aircrew coordinator (EAC) duties	79
G0508	Prepare crew travel vouchers	71
A0025	Participate in general or specialized mission briefings	71
C0301	Coordinate phone patches or intercommunications with appropriate personnel	71
C0296	Clean interior of aircraft	71
A0031	Perform initialization of mission systems	71
F0465	Determine training requirements	71

\* Average Number of Tasks Performed – 118

TABLE 15  
REPRESENTATIVE TASKS PERFORMED BY C-37 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=6)
A0024	Obtain and secure COMSEC material	100
B0106	Operate facsimile (fax) systems	100
A0028	Perform preflight inspections, other than life support inspections	100
C0325	Perform in-flight checklist procedures	100
A0013	Determine mission communications requirements	100
B0064	Operate terrestrial aeronautical radio/telephone systems (TARSs)	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
B0055	Operate international maritime satellite (INMARSAT) systems	100
B0056	Troubleshoot INMARSAT systems	100
B0103	Operate UHF SATCOM data systems	100
B0107	Troubleshoot fax systems	100
B0050	Troubleshoot UHF SATCOM voice systems	100
B0065	Troubleshoot TARSs	100
B0104	Troubleshoot UHF SATCOM data systems	100
A0022	Obtain classified materials or documents	83
B0190	Operate cryptographic loading devices	83
C0320	Perform crew coordination activities	83
A0039	Secure personal equipment on aircraft during preflight	83
G0487	Destroy COMSEC or classified materials or documents	83
E0438	Plan communications support for special missions	83
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	83
B0043	Operate high-frequency (HF) voice systems	83
A0035	Review aircrew currency requirements	83
A0026	Participate in premission briefings, other than conducting	83
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	83
A0025	Participate in general or specialized mission briefings	83
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	83
A0037	Review or update isolated personnel report (ISOPREP) cards	83
C0319	Perform authentication procedures	83
B0172	Operate secure telephone units (STUs)	67
B0220	Operate cryptographic systems	67
C0301	Coordinate phone patches or intercommunications with appropriate personnel	67
C0309	Maintain logs, such as in-flight or maintenance	67
E0382	Adjust daily schedules to meet operational commitments	67
A0003	Assemble professional or personal flight gear	67
A0001	Annotate mission planning forms	67
A0016	Establish communications security (COMSEC) requirements	67
E0447	Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	67
G0482	Annotate cabinet, safe, or room security forms	67
E0430	Maintain aircrew currency requirements	67
A0004	Conduct premission briefings, including certifications	67
A0020	Maintain COMSEC subaccounts	67

\* Average Number of Tasks Performed – 81

TABLE 16  
REPRESENTATIVE TASKS PERFORMED BY C-135 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=5)
A0031	Perform initialization of mission systems	100
A0026	Participate in premission briefings, other than conducting	100
A0036	Review emergency procedures	100
A0025	Participate in general or specialized mission briefings	100
A0038	Secure mission equipment on aircraft during preflight	100
A0003	Assemble professional or personal flight gear	100
A0028	Perform preflight inspections, other than life support inspections	100
A0029	Perform preflight life support inspections	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0035	Review aircrew currency requirements	100
A0022	Obtain classified materials or documents	100
A0039	Secure personal equipment on aircraft during preflight	100
B0103	Operate UHF SATCOM data systems	80
E0438	Plan communications support for special missions	80
B0056	Troubleshoot INMARSAT systems	80
B0050	Troubleshoot UHF SATCOM voice systems	80
B0044	Troubleshoot HF voice systems	80
B0055	Operate international maritime satellite (INMARSAT) systems	80
B0043	Operate high-frequency (HF) voice systems	80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
C0297	Coordinate communications traffic flow with distinguished visitors or contacts	80
A0013	Determine mission communications requirements	80
G0508	Prepare crew travel vouchers	80
C0329	Perform operational checkouts of aircraft mission systems after modifications	80
A0037	Review or update isolated personnel report (ISOPREP) cards	80
G0482	Annotate cabinet, safe, or room security forms	80
E0430	Maintain aircrew currency requirements	80
A0016	Establish communications security (COMSEC) requirements	80
C0328	Perform operational checkouts of aircraft mission systems after maintenance	80
G0501	Maintain personal aircrew flight manuals or checklists	80
F0462	Conduct mission qualification training (MQT)	80
A0020	Maintain COMSEC subaccounts	80
A0024	Obtain and secure COMSEC material	80
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	80
C0325	Perform in-flight checklist procedures	80
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	80
G0491	Identify and report suspected security compromises	80
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	80
A0002	Assemble communications kits	80
A0001	Annotate mission planning forms	80
E0413	Evaluate communications operations	60
B0057	Repair INMARSAT systems	60

\* Average Number of Tasks Performed – 140

TABLE 17

## REPRESENTATIVE TASKS PERFORMED BY E-3 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=287)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	94
A0028	Perform preflight inspections, other than life support inspections	93
A0025	Participate in general or specialized mission briefings	88
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	88
A0039	Secure personal equipment on aircraft during preflight	84
A0031	Perform initialization of mission systems	83
A0036	Review emergency procedures	82
C0325	Perform in-flight checklist procedures	81
A0026	Participate in premission briefings, other than conducting	81
A0011	Determine aircraft status	79
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	78
A0003	Assemble professional or personal flight gear	78
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	77
C0309	Maintain logs, such as in-flight or maintenance	76
A0038	Secure mission equipment on aircraft during preflight	75
A0001	Annotate mission planning forms	75
D0358	Perform aircraft cocking or uncocking procedures	75
C0313	Operate emergency equipment	74
C0337	Practice or perform emergency procedures	72
A0037	Review or update isolated personnel report (ISOPREP) cards	70
C0321	Perform emergency destruct procedures	68
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	68
E0430	Maintain aircrew currency requirements	67
A0035	Review aircrew currency requirements	66
C0328	Perform operational checkouts of aircraft mission systems after maintenance	66
D0377	Prepare personal clothing or equipment for deployment	66
A0004	Conduct premission briefings, including certifications	65
A0022	Obtain classified materials or documents	61
C0320	Perform crew coordination activities	61
C0317	Participate in postmission debriefings	60
B0280	Operate oxygen systems	59
B0040	Operate high-power transmitters	58
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	57
C0314	Operate life support systems	57
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	56
C0301	Coordinate phone patches or intercommunications with appropriate personnel	56
D0349	Don or doff chemical warfare personal protective clothing	56
B0041	Troubleshoot high-power transmitters	55
C0303	Coordinate systems status with crew members	54
D0357	Participate in predeployment mobility briefings	54

\* Average Number of Tasks Performed – 108

TABLE 18  
REPRESENTATIVE TASKS PERFORMED BY E-4 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=66)
D0360	Perform alert crew changeovers	83
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	83
A0036	Review emergency procedures	80
D0359	Perform alert aircraft changeovers	77
C0325	Perform in-flight checklist procedures	76
D0367	Perform standby alert procedures	74
A0039	Secure personal equipment on aircraft during preflight	74
D0368	Practice alert force or alert reaction exercises	73
B0110	Troubleshoot MILSTAR terminals	68
C0313	Operate emergency equipment	68
B0190	Operate cryptographic loading devices	67
C0320	Perform crew coordination activities	67
A0025	Participate in general or specialized mission briefings	67
A0038	Secure mission equipment on aircraft during preflight	67
A0022	Obtain classified materials or documents	65
A0024	Obtain and secure COMSEC material	64
C0309	Maintain logs, such as in-flight or maintenance	64
B0052	Operate UHF frequency division multiplexer (FDM) systems	62
A0026	Participate in premission briefings, other than conducting	62
C0337	Practice or perform emergency procedures	62
A0003	Assemble professional or personal flight gear	61
B0109	Operate military strategic, tactical and relay (MILSTAR) terminals	61
B0280	Operate oxygen systems	61
B0113	Troubleshoot MPSs	59
C0331	Perform postflight inspections	59
A0031	Perform initialization of mission systems	58
A0028	Perform preflight inspections, other than life support inspections	56
B0068	Troubleshoot DAMA systems	56
E0430	Maintain aircrew currency requirements	55
B0067	Operate demand assigned multiple access (DAMA) systems	55
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	55
B0220	Operate cryptographic systems	53
A0035	Review aircrew currency requirements	53
B0044	Troubleshoot HF voice systems	53
B0050	Troubleshoot UHF SATCOM voice systems	53
B0104	Troubleshoot UHF SATCOM data systems	53
B0191	Troubleshoot cryptographic loading devices	53
B0221	Troubleshoot cryptographic systems	53
B0155	Troubleshoot data encryption devices	53
B0053	Troubleshoot UHF FDM systems	52
B0154	Operate data encryption devices	52
B0040	Operate high-power transmitters	52
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	52

\* Average Number of Tasks Performed – 102

TABLE 19  
REPRESENTATIVE TASKS PERFORMED BY E-8 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=42)
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
C0325	Perform in-flight checklist procedures	95
A0039	Secure personal equipment on aircraft during preflight	95
A0028	Perform preflight inspections, other than life support inspections	93
A0025	Participate in general or specialized mission briefings	93
C0309	Maintain logs, such as in-flight or maintenance	93
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	93
A0003	Assemble professional or personal flight gear	93
A0031	Perform initialization of mission systems	90
C0320	Perform crew coordination activities	90
A0009	Coordinate mission software requirements with appropriate agencies	90
A0001	Annotate mission planning forms	90
A0011	Determine aircraft status	90
C0315	Operate or monitor crew member terminals (CMTs)	88
A0036	Review emergency procedures	88
C0337	Practice or perform emergency procedures	88
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	88
C0313	Operate emergency equipment	88
A0026	Participate in premission briefings, other than conducting	86
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	83
A0038	Secure mission equipment on aircraft during preflight	83
A0004	Conduct premission briefings, including certifications	79
C0317	Participate in postmission debriefings	79
C0303	Coordinate systems status with crew members	79
A0017	Identify mission software requirements	79
C0328	Perform operational checkouts of aircraft mission systems after maintenance	79
A0037	Review or update isolated personnel report (ISOPREP) cards	79
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	76
B0142	Operate computer systems	74
G0501	Maintain personal aircrew flight manuals or checklists	74
B0280	Operate oxygen systems	74
C0329	Perform operational checkouts of aircraft mission systems after modifications	74
C0314	Operate life support systems	74
B0282	Operate software	71
E0430	Maintain aircrew currency requirements	71
A0022	Obtain classified materials or documents	71
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	71
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	69
G0490	File in-flight logs in aircraft history books	69
B0283	Troubleshoot software	67

\* Average Number of Tasks Performed – 147

TABLE 20

## REPRESENTATIVE TASKS PERFORMED BY EC-130 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=46)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	96
C0325	Perform in-flight checklist procedures	91
A0036	Review emergency procedures	91
A0028	Perform preflight inspections, other than life support inspections	89
C0337	Practice or perform emergency procedures	89
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87
C0313	Operate emergency equipment	85
A0039	Secure personal equipment on aircraft during preflight	83
A0022	Obtain classified materials or documents	80
A0038	Secure mission equipment on aircraft during preflight	80
C0321	Perform emergency destruct procedures	80
A0031	Perform initialization of mission systems	78
E0430	Maintain aircrew currency requirements	78
C0314	Operate life support systems	78
C0331	Perform postflight inspections	78
A0011	Determine aircraft status	78
A0037	Review or update isolated personnel report (ISOPREP) cards	78
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	78
C0320	Perform crew coordination activities	76
A0003	Assemble professional or personal flight gear	76
B0044	Troubleshoot HF voice systems	76
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	76
D0377	Prepare personal clothing or equipment for deployment	76
A0029	Perform preflight life support inspections	74
B0244	Operate built-in test equipment (BITE)	74
A0025	Participate in general or specialized mission briefings	74
B0197	Troubleshoot AC or DC electrical systems	74
B0193	Operate lighting systems	72
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	72
B0050	Troubleshoot UHF SATCOM voice systems	72
C0328	Perform operational checkouts of aircraft mission systems after maintenance	72
B0080	Troubleshoot VHF AM systems	70
C0309	Maintain logs, such as in-flight or maintenance	70
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	70
A0026	Participate in premission briefings, other than conducting	70
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	70
B0043	Operate high-frequency (HF) voice systems	67
B0142	Operate computer systems	67
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	67
C0330	Perform operational tests of program software after modifications	67

\* Average Number of Tasks Performed – 156

TABLE 21

## REPRESENTATIVE TASKS PERFORMED BY EC-135 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=4)
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
B0050	Troubleshoot UHF SATCOM voice systems	100
C0325	Perform in-flight checklist procedures	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
A0022	Obtain classified materials or documents	100
B0043	Operate high-frequency (HF) voice systems	100
A0024	Obtain and secure COMSEC material	100
B0044	Troubleshoot HF voice systems	100
A0006	Coordinate data links with other link players or appropriate link authorization agencies	100
A0026	Participate in premission briefings, other than conducting	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0039	Secure personal equipment on aircraft during preflight	100
A0037	Review or update isolated personnel report (ISOPREP) cards	100
A0025	Participate in general or specialized mission briefings	100
A0036	Review emergency procedures	100
G0482	Annotate cabinet, safe, or room security forms	100
C0301	Coordinate phone patches or intercommunications with appropriate personnel	75
B0056	Troubleshoot INMARSAT systems	75
B0055	Operate international maritime satellite (INMARSAT) systems	75
C0297	Coordinate communications traffic flow with distinguished visitors or contacts	75
B0190	Operate cryptographic loading devices	75
A0028	Perform preflight inspections, other than life support inspections	75
A0020	Maintain COMSEC subaccounts	75
B0142	Operate computer systems	75
A0038	Secure mission equipment on aircraft during preflight	75
B0285	Configure communications or electronic systems for operations	75
B0154	Operate data encryption devices	75
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	75
G0508	Prepare crew travel vouchers	75
A0016	Establish communications security (COMSEC) requirements	75
A0013	Determine mission communications requirements	75
B0143	Troubleshoot computer systems	75
B0082	Operate VHF frequency modulation (FM) systems	75
B0155	Troubleshoot data encryption devices	75
B0083	Troubleshoot VHF FM systems	75
B0041	Troubleshoot high-power transmitters	75
B0040	Operate high-power transmitters	75
G0487	Destroy COMSEC or classified materials or documents	75
B0172	Operate secure telephone units (STUs)	75

\* Average Number of Tasks Performed – 100



TABLE 22

## REPRESENTATIVE TASKS PERFORMED BY HC-130 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=20)
A0025	Participate in general or specialized mission briefings	100
A0036	Review emergency procedures	95
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	95
C0309	Maintain logs, such as in-flight or maintenance	95
A0022	Obtain classified materials or documents	95
A0024	Obtain and secure COMSEC material	95
B0043	Operate high-frequency (HF) voice systems	95
B0091	Operate Have Quick systems	95
A0026	Participate in premission briefings, other than conducting	90
C0325	Perform in-flight checklist procedures	90
A0028	Perform preflight inspections, other than life support inspections	90
C0331	Perform postflight inspections	90
B0214	Operate identification friend or foe (IFF) systems	90
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	90
A0013	Determine mission communications requirements	90
A0016	Establish communications security (COMSEC) requirements	90
A0039	Secure personal equipment on aircraft during preflight	90
C0319	Perform authentication procedures	90
B0202	Operate tactical air navigation (TACAN) systems	90
A0037	Review or update isolated personnel report (ISOPREP) cards	90
C0337	Practice or perform emergency procedures	90
G0487	Destroy COMSEC or classified materials or documents	85
G0483	Build or prepare COMSEC materials	85
D0377	Prepare personal clothing or equipment for deployment	85
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	85
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	85
B0151	Operate direction finding (DF) equipment	85
C0304	Decode or encode messages manually	85
C0321	Perform emergency destruct procedures	85
A0002	Assemble communications kits	85
B0092	Troubleshoot Have Quick systems	85
B0050	Troubleshoot UHF SATCOM voice systems	85
B0044	Troubleshoot HF voice systems	85
B0079	Operate VHF AM systems	80
E0430	Maintain aircrew currency requirements	80
A0003	Assemble professional or personal flight gear	80
B0190	Operate cryptographic loading devices	80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
D0363	Perform classified courier duties	80
B0215	Troubleshoot IFF systems	80
D0354	Operate portable radios	80

\* Average Number of Tasks Performed – 140

TABLE 23

## REPRESENTATIVE TASKS PERFORMED BY MC-130 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=22)
C0309	Maintain logs, such as in-flight or maintenance	100
A0028	Perform preflight inspections, other than life support inspections	100
C0331	Perform postflight inspections	100
A0003	Assemble professional or personal flight gear	100
B0214	Operate identification friend or foe (IFF) systems	100
A0024	Obtain and secure COMSEC material	100
A0036	Review emergency procedures	100
A0022	Obtain classified materials or documents	100
A0002	Assemble communications kits	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
C0319	Perform authentication procedures	100
C0320	Perform crew coordination activities	95
G0487	Destroy COMSEC or classified materials or documents	95
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	95
A0026	Participate in premission briefings, other than conducting	95
A0013	Determine mission communications requirements	95
B0091	Operate Have Quick systems	95
C0337	Practice or perform emergency procedures	95
A0016	Establish communications security (COMSEC) requirements	95
A0035	Review aircrew currency requirements	95
C0313	Operate emergency equipment	95
B0067	Operate demand assigned multiple access (DAMA) systems	95
A0037	Review or update isolated personnel report (ISOPREP) cards	95
C0325	Perform in-flight checklist procedures	91
E0430	Maintain aircrew currency requirements	91
A0029	Perform preflight life support inspections	91
B0043	Operate high-frequency (HF) voice systems	91
A0039	Secure personal equipment on aircraft during preflight	91
B0202	Operate tactical air navigation (TACAN) systems	91
C0314	Operate life support systems	91
B0151	Operate direction finding (DF) equipment	91
A0025	Participate in general or specialized mission briefings	91
B0215	Troubleshoot IFF systems	91
B0044	Troubleshoot HF voice systems	91
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	86
A0038	Secure mission equipment on aircraft during preflight	86
B0220	Operate cryptographic systems	86
G0482	Annotate cabinet, safe, or room security forms	86
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	86
C0333	Perform thruflight inspections	86
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	86
B0092	Troubleshoot Have Quick systems	86

\* Average Number of Tasks Performed – 158

TABLE 24

## REPRESENTATIVE TASKS PERFORMED BY OC-135 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=6)
C0325	Perform in-flight checklist procedures	100
E0430	Maintain aircrew currency requirements	100
C0320	Perform crew coordination activities	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
C0331	Perform postflight inspections	100
C0310	Monitor passengers	100
C0329	Perform operational checkouts of aircraft mission systems after modifications	100
A0026	Participate in premission briefings, other than conducting	100
A0028	Perform preflight inspections, other than life support inspections	100
C0317	Participate in postmission debriefings	100
B0239	Troubleshoot sensor systems	100
B0240	Repair sensor systems	100
B0230	Troubleshoot video systems	100
B0251	Troubleshoot radar systems	100
B0242	Troubleshoot data display systems	100
B0231	Repair video systems	100
B0238	Operate sensor systems	83
C0337	Practice or perform emergency procedures	83
E0397	Determine or establish work assignments or priorities	83
A0031	Perform initialization of mission systems	83
H0528	Pick up, deliver, or store equipment, tools, parts, or supplies, other than life support equipment	83
E0398	Determine or evaluate causes of mission operational discrepancies	83
C0332	Perform supplemental inspections, such as acceptance, calendar, or time replacement item	83
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	83
B0229	Operate video systems	83
A0011	Determine aircraft status	83
F0463	Conduct on-the-job training (OJT)	83
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	83
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	83
A0025	Participate in general or specialized mission briefings	83
A0036	Review emergency procedures	83
B0241	Operate data display systems	83
A0039	Secure personal equipment on aircraft during preflight	83
A0038	Secure mission equipment on aircraft during preflight	83
F0460	Conduct ground training	83
C0333	Perform thruflight inspections	83
A0003	Assemble professional or personal flight gear	83
B0250	Operate radar systems	83
E0382	Adjust daily schedules to meet operational commitments	67
C0302	Coordinate sensor settings with appropriate personnel	67

\* Average Number of Tasks Performed – 100

TABLE 25  
REPRESENTATIVE TASKS PERFORMED BY RC-135 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=93)
B0146	Troubleshoot recording systems	88
B0137	Troubleshoot collection receiver systems	87
A0039	Secure personal equipment on aircraft during preflight	86
B0147	Repair recording systems	86
A0038	Secure mission equipment on aircraft during preflight	85
A0026	Participate in premission briefings, other than conducting	85
B0143	Troubleshoot computer systems	85
C0325	Perform in-flight checklist procedures	84
A0031	Perform initialization of mission systems	84
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	84
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	83
B0144	Repair computer systems	83
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	82
B0138	Repair collection receiver systems	82
B0288	Remove or replace circuit card assemblies	82
B0142	Operate computer systems	81
A0036	Review emergency procedures	81
C0337	Practice or perform emergency procedures	80
A0011	Determine aircraft status	80
B0131	Troubleshoot data switches or hubs	80
B0129	Repair digital data distribution systems, such as LANs or buses	80
B0217	Operate test equipment	80
B0170	Troubleshoot RF distribution systems	80
B0197	Troubleshoot AC or DC electrical systems	78
B0171	Repair RF distribution systems	78
C0328	Perform operational checkouts of aircraft mission systems after maintenance	77
A0028	Perform preflight inspections, other than life support inspections	77
B0233	Troubleshoot IF switching systems	76
B0149	Troubleshoot signal analysis equipment	75
A0025	Participate in general or specialized mission briefings	75
B0218	Troubleshoot test equipment	75
B0167	Troubleshoot patch panels	74
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	74
B0132	Repair data switches or hubs	74
B0230	Troubleshoot video systems	74
A0037	Review or update isolated personnel report (ISOPREP) cards	74
B0231	Repair video systems	72
C0329	Perform operational checkouts of aircraft mission systems after modifications	71
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	71
C0309	Maintain logs, such as in-flight or maintenance	71
B0283	Troubleshoot software	71
B0234	Repair IF switching systems	71

\* Average Number of Tasks Performed – 159

TABLE 26

## REPRESENTATIVE TASKS PERFORMED BY VC-25 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=7)
E0382	Adjust daily schedules to meet operational commitments	100
B0055	Operate international maritime satellite (INMARSAT) systems	100
B0064	Operate terrestrial aeronautical radio/telephone systems (TARSs)	100
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	100
B0052	Operate UHF frequency division multiplexer (FDM) systems	100
C0327	Perform in-flight instructor duties	100
C0320	Perform crew coordination activities	100
A0031	Perform initialization of mission systems	100
C0331	Perform postflight inspections	100
B0106	Operate facsimile (fax) systems	100
B0040	Operate high-power transmitters	100
G0487	Destroy COMSEC or classified materials or documents	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0028	Perform preflight inspections, other than life support inspections	100
F0460	Conduct ground training	100
B0056	Troubleshoot INMARSAT systems	100
B0065	Troubleshoot TARSs	100
B0043	Operate high-frequency (HF) voice systems	100
B0085	Operate VHF digital encryption standards (DESs)	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
B0053	Troubleshoot UHF FDM systems	100
B0050	Troubleshoot UHF SATCOM voice systems	100
B0046	Operate automatic link establishment (ALE) systems	100
G0482	Annotate cabinet, safe, or room security forms	100
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	100
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	100
B0107	Troubleshoot fax systems	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
B0044	Troubleshoot HF voice systems	100
B0086	Troubleshoot VHF DESs	100
C0329	Perform operational checkouts of aircraft mission systems after modifications	100
B0041	Troubleshoot high-power transmitters	100
B0047	Troubleshoot ALE systems	100
C0323	Perform functional check flight (FCF) duties	100
C0321	Perform emergency destruct procedures	100
B0103	Operate UHF SATCOM data systems	86
B0172	Operate secure telephone units (STUs)	86
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	86
B0142	Operate computer systems	86
A0013	Determine mission communications requirements	86

\* Average Number of Tasks Performed – 190

TABLE 27

OVERLAP IN TIME SPENT BETWEEN ALL DAFSC 1A3X1 MEMBERS AND DAFSC 1A5X1 MEMBERS  
BASED ON AIRCRAFT PLATFORM AND PRIMARY MISSION

ALL DAFSC 1A3X1 MEMBERS VERSUS:	PERCENT OVERLAP
1A5X1 IN E-3	60
1A5X1 IN E-8	55
1A5X1 IN AWACS, OTHER THAN NATO	59
1A5X1 IN JSTARS	55
1A5X1 IN NATO AWACS	58

TABLE 28

OVERLAP IN TIME SPENT BETWEEN ALL DAFSC 1A5X1 MEMBERS AND DAFSC 1A3X1 MEMBERS  
 BASED ON AIRCRAFT PLATFORM AND PRIMARY MISSION  
 (RANKED BY HIGHEST OVERLAP TO LOWEST OVERLAP)

ALL DAFSC 1A5X1 MEMBERS VERSUS:	PERCENT OVERLAP
1A3X1 IN EC-130	60
1A3X1 IN RC-135	60
1A3X1 IN OC-135	57
1A3X1 IN C-20	53
1A3X1 IN E-3	53
1A3X1 IN E-8	53
1A3X1 IN MC-130	53
1A3X1 IN E-4	52
1A3X1 IN HC-130	52
1A3X1 IN C-32	51
1A3X1 IN C-135	50
1A3X1 IN VC-25	47
1A3X1 IN EC-135	44
1A3X1 IN C-37	43
1A3X1 IN COBRA BALL	64
1A3X1 IN COMPASS CALL	61
1A3X1 IN COMBAT SENT	58
1A3X1 IN RIVET JOINT	57
1A3X1 IN SENIOR SCOUT	57
1A3X1 IN OPEN SKIES	55
1A3X1 IN ABCCC	53
1A3X1 IN JSTARS	53
1A3X1 IN SPECIAL AIRLIFT MISSIONS	53
1A3X1 IN AWACS, OTHER THAN NATO	52
1A3X1 IN COMBAT SHADOW	52
1A3X1 IN NAOC	52
1A3X1 IN NATO AWACS	51
1A3X1 IN RESCUE	49
1A3X1 IN OSA	48
1A3X1 IN CINC SUPPORT	43

TABLE 29

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A3X1 PERSONNEL  
AND DAFSC 1A5X1 PERSONNEL ASSIGNED TO E-3

TASKS		1A3X1 ALL (N=466)	1A5X1 E-3 (N=166)	DIFFERENCE
C0326	Perform in-flight evaluator duties	21	21	0
C0305	Deploy survival gear, such as MA-1 kits	23	23	0
B0197	Troubleshoot AC or DC electrical systems	40	40	0
D0347	Determine personnel or equipment requirements for mission deployments	20	20	0
D0372	Practice self-protection from extreme weather	22	21	1
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	56	55	1
B0042	Repair high-power transmitters	25	27	1
C0337	Practice or perform emergency procedures	75	73	2
B0280	Operate oxygen systems	59	61	2
B0227	Troubleshoot alternate mission equipment	20	22	2
B0226	Operate alternate mission equipment	20	22	2
D0366	Perform first-aid lifesaving techniques	41	43	2
C0329	Perform operational checkouts of aircraft mission systems after modifications	53	55	2
A0039	Secure personal equipment on aircraft during preflight	83	85	2
C0325	Perform in-flight checklist procedures	84	81	3
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	39	36	3
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	73	70	3
B0281	Troubleshoot oxygen systems	21	19	3
B0287	Remove or reinstall aircraft access plates, panels, or flooring	26	23	3
B0219	Repair test equipment	19	22	3
B0142	Operate computer systems	45	48	3
C0321	Perform emergency destruct procedures	67	70	3
C0317	Participate in postmission debriefings	59	62	3
C0327	Perform in-flight instructor duties	46	49	3
A0035	Review aircrew currency requirements	65	60	4
B0198	Repair AC or DC electrical systems	23	19	4
D0381	Store equipment at mission locations	25	21	4
A0036	Review emergency procedures	84	80	4
D0377	Prepare personal clothing or equipment for deployment	61	65	4
C0303	Coordinate systems status with crew members	53	57	4



TABLE 29 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A3X1 PERSONNEL  
AND DAFSC 1A5X1 PERSONNEL ASSIGNED TO E-3

TASKS		1A3X1 ALL (N=466)	1A5X1 E-3 (N=166)	DIFFERENCE
C0334	Pick up or turn in aircraft life support equipment	27	31	4
A0026	Participate in premission briefings, other than conducting	78	82	4
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	62	66	4
C0309	Maintain logs, such as in-flight or maintenance	73	77	4
D0359	Perform alert aircraft changeovers	28	32	4
C0322	Perform flight tests for new flight procedures	21	25	4
B0148	Operate signal analysis equipment	20	15	5
B0193	Operate lighting systems	47	42	5
C0301	Coordinate phone patches or intercommunications with appropriate personnel	47	52	5
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	89	93	5
C0313	Operate emergency equipment	72	77	5
B0246	Repair BITE	25	19	6
B0214	Operate identification friend or foe (IFF) systems	35	41	6
A0003	Assemble professional or personal flight gear	72	78	6
D0360	Perform alert crew changeovers	35	41	6
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	81	87	6
C0314	Operate life support systems	63	55	7
D0379	Reconfigure aircraft for specific mission requirements	34	27	7
A0037	Review or update isolated personnel report (ISOPREP) cards	66	72	7
D0368	Practice alert force or alert reaction exercises	24	31	7
A0025	Participate in general or specialized mission briefings	80	87	7
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	67	75	7
B0194	Troubleshoot lighting systems	29	20	8
A0029	Perform preflight life support inspections	53	45	8
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	47	39	8
A0038	Secure mission equipment on aircraft during preflight	73	81	8
B0041	Troubleshoot high-power transmitters	49	40	9
C0320	Perform crew coordination activities	70	61	9
B0187	Operate cooling systems	33	42	9

TABLE 30

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A3X1 PERSONNEL  
AND DAFSC 1A5X1 PERSONNEL ASSIGNED TO E-8

TASKS		1A3X1 ALL (N=466)	1A5X1 E-8 (N=20)	DIFFERENCE
B0226	Operate alternate mission equipment	20	20	0
B0246	Repair BITE	25	25	0
B0182	Troubleshoot relay switching systems	25	25	0
A0035	Review aircrew currency requirements	65	65	0
B0194	Troubleshoot lighting systems	29	30	1
B0245	Troubleshoot BITE	44	45	1
C0301	Coordinate phone patches or intercommunications with appropriate personnel	47	45	2
D0371	Practice duress code procedures	37	35	2
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	47	45	2
B0168	Repair patch panels	23	25	2
B0195	Repair lighting systems	18	20	2
D0350	Establish equipment security at mission locations	18	20	2
A0029	Perform preflight life support inspections	53	55	2
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	38	40	2
B0181	Operate relay switching systems	23	20	3
D0372	Practice self-protection from extreme weather	22	25	3
C0294	Assist in aircraft servicing	17	20	3
D0354	Operate portable radios	34	30	4
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	89	85	4
B0281	Troubleshoot oxygen systems	21	25	4
D0377	Prepare personal clothing or equipment for deployment	61	65	4
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	46	50	4
C0296	Clean interior of aircraft	36	40	4
A0037	Review or update isolated personnel report (ISOPREP) cards	66	70	4
B0285	Configure communications or electronic systems for operations	50	45	5
B0227	Troubleshoot alternate mission equipment	20	15	5
B0138	Repair collection receiver systems	21	15	6
A0036	Review emergency procedures	84	90	6

TABLE 30 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A3X1 PERSONNEL  
AND DAFSC 1A5X1 PERSONNEL ASSIGNED TO E-8

TASKS		1A3X1 ALL (N=466)	1A5X1 E-8 (N=20)	DIFFERENCE
B0229	Operate video systems	22	15	7
B0178	Operate carry-on communications or electronics equipment	27	20	7
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	32	25	7
C0334	Pick up or turn in aircraft life support equipment	27	20	7
C0321	Perform emergency destruct procedures	67	60	7
B0198	Repair AC or DC electrical systems	23	30	7
C0314	Operate life support systems	63	70	7
B0137	Troubleshoot collection receiver systems	23	15	8
C0310	Monitor passengers	23	15	8
B0193	Operate lighting systems	47	55	8
B0217	Operate test equipment	39	30	9
D0366	Perform first-aid lifesaving techniques	41	50	9
B0287	Remove or reinstall aircraft access plates, panels, or flooring	26	35	9
C0326	Perform in-flight evaluator duties	21	30	9
B0231	Repair video systems	20	10	10
B0148	Operate signal analysis equipment	20	10	10
B0230	Troubleshoot video systems	25	15	10
B0042	Repair high-power transmitters	25	35	10
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	50	60	10
D0367	Perform standby alert procedures	41	30	11
A0015	Develop mission execution checklists	19	30	11
B0244	Operate built-in test equipment (BITE)	57	45	12
C0292	Alter software program parameters using patches or by manually manipulating code	8	20	12
B0289	Remove or replace inverters	8	20	12
C0306	Implement interference countermeasures	8	20	12
B0149	Troubleshoot signal analysis equipment	23	10	13
D0359	Perform alert aircraft changeovers	28	15	13
A0028	Perform preflight inspections, other than life support inspections	82	95	13

TABLE 31

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO EC-130

TASKS		1A5X1 ALL (N=190)	1A3X1 EC-130 (N=46)	DIFFERENCE
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	72	72	0
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87	87	0
A0003	Assemble professional or personal flight gear	77	76	1
A0038	Secure mission equipment on aircraft during preflight	82	80	1
C0339	Remove or install aircraft light lenses, light bulbs, or batteries	44	43	1
C0294	Assist in aircraft servicing	25	26	1
B0041	Troubleshoot high-power transmitters	45	46	1
B0042	Repair high-power transmitters	27	28	1
B0280	Operate oxygen systems	62	63	1
B0145	Operate recording systems	59	57	2
C0322	Perform flight tests for new flight procedures	28	26	2
B0144	Repair computer systems	54	52	2
B0146	Troubleshoot recording systems	55	57	2
C0317	Participate in postmission debriefings	63	65	2
D0372	Practice self-protection from extreme weather	22	24	2
A0035	Review aircrew currency requirements	60	57	3
D0362	Perform chemical warfare agent decontamination procedures	36	33	3
C0328	Perform operational checkouts of aircraft mission systems after maintenance	75	72	3
A0028	Perform preflight inspections, other than life support inspections	92	89	3
A0039	Secure personal equipment on aircraft during preflight	85	83	3
B0217	Operate test equipment	51	54	3
B0219	Repair test equipment	21	24	3
C0327	Perform in-flight instructor duties	51	54	4
B0249	Repair hard drive systems, including RMAs	38	33	5
B0276	Repair environmental systems	24	20	5
B0188	Troubleshoot cooling systems	61	57	5
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91	96	5
C0305	Deploy survival gear, such as MA-1 kits	26	30	5

TABLE 31 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO EC-130

TASKS		1A5X1 ALL (N=190)	1A3X1 EC-130 (N=46)	DIFFERENCE
B0147	Repair recording systems	41	35	6
D0345	Conduct mobility processing checklist procedures	43	37	6
C0323	Perform functional check flight (FCF) duties	45	39	6
D0349	Don or doff chemical warfare personal protective clothing	57	63	6
C0301	Coordinate phone patches or intercommunications with appropriate personnel	51	43	7
B0275	Troubleshoot environmental systems	35	28	7
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	39	46	7
A0037	Review or update isolated personnel report (ISOPREP) cards	71	78	7
C0329	Perform operational checkouts of aircraft mission systems after modifications	58	65	7
B0143	Troubleshoot computer systems	58	65	7
C0313	Operate emergency equipment	77	85	7
B0189	Repair cooling systems	29	37	7
D0357	Participate in predeployment mobility briefings	56	48	8
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	76	67	8
B0282	Operate software	65	57	8
C0303	Coordinate systems status with crew members	60	52	8
B0288	Remove or replace circuit card assemblies	66	59	8
D0369	Practice demolition or destruction techniques	16	24	8
C0310	Monitor passengers	34	41	8
A0031	Perform initialization of mission systems	87	78	9
B0283	Troubleshoot software	59	50	9
C0309	Maintain logs, such as in-flight or maintenance	78	70	9
C0307	Initiate software deficiency reports (SDRs)	35	26	9
B0218	Troubleshoot test equipment	39	48	9
B0214	Operate identification friend or foe (IFF) systems	36	26	10
B0274	Operate environmental systems	38	28	10
C0325	Perform in-flight checklist procedures	82	91	10
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	20	30	10
C0326	Perform in-flight evaluator duties	22	33	11
B0132	Repair data switches or hubs	11	22	11

TABLE 32

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO RC-135

TASKS		1A5X1 ALL (N=190)	1A3X1 RC-135 (N=93)	DIFFERENCE
B0280	Operate oxygen systems	62	62	0
C0326	Perform in-flight evaluator duties	22	22	0
A0036	Review emergency procedures	80	81	1
A0039	Secure personal equipment on aircraft during preflight	85	86	1
C0320	Perform crew coordination activities	63	63	1
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	61	62	1
C0322	Perform flight tests for new flight procedures	28	27	1
D0377	Prepare personal clothing or equipment for deployment	64	63	1
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	72	71	1
D0347	Determine personnel or equipment requirements for mission deployments	22	22	1
C0321	Perform emergency destruct procedures	68	70	2
C0325	Perform in-flight checklist procedures	82	84	2
B0042	Repair high-power transmitters	27	25	2
C0317	Participate in postmission debriefings	63	61	2
B0274	Operate environmental systems	38	37	2
C0328	Perform operational checkouts of aircraft mission systems after maintenance	75	77	3
A0026	Participate in premission briefings, other than conducting	82	85	3
A0037	Review or update isolated personnel report (ISOPREP) cards	71	74	3
A0038	Secure mission equipment on aircraft during preflight	82	85	3
B0275	Troubleshoot environmental systems	35	32	3
B0189	Repair cooling systems	29	27	3
B0242	Troubleshoot data display systems	50	54	4
D0349	Don or doff chemical warfare personal protective clothing	57	61	4
A0031	Perform initialization of mission systems	87	84	4
C0303	Coordinate systems status with crew members	60	65	5
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	20	25	5
C0327	Perform in-flight instructor duties	51	45	5
C0305	Deploy survival gear, such as MA-1 kits	26	20	5
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	66	61	5

TABLE 32 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO RC-135

TASKS		1A5X1 ALL (N=190)	1A3X1 RC-135 (N=93)	DIFFERENCE
B0241	Operate data display systems	50	45	5
C0310	Monitor passengers	34	29	5
B0282	Operate software	65	60	5
C0337	Practice or perform emergency procedures	74	80	6
B0243	Repair data display systems	44	51	6
C0293	Analyze equipment for optimum mission configurations	61	55	6
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87	82	6
D0366	Perform first-aid lifesaving techniques	44	51	7
A0029	Perform preflight life support inspections	45	53	7
C0309	Maintain logs, such as in-flight or maintenance	78	71	7
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91	84	7
B0276	Repair environmental systems	24	17	7
C0294	Assist in aircraft servicing	25	33	8
A0035	Review aircrew currency requirements	60	52	8
B0188	Troubleshoot cooling systems	61	53	8
B0248	Troubleshoot hard drive systems, including RMAs	65	57	8
D0372	Practice self-protection from extreme weather	22	30	9
D0371	Practice duress code procedures	27	35	9
B0145	Operate recording systems	59	68	9
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	22	31	10
D0381	Store equipment at mission locations	20	30	10
C0314	Operate life support systems	56	67	10
D0345	Conduct mobility processing checklist procedures	43	32	10
C0323	Perform functional check flight (FCF) duties	45	34	10
C0343	Utilize core automated maintenance system (CAMS)	37	27	10
A0017	Identify mission software requirements	68	58	10
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	59	70	11
C0313	Operate emergency equipment	77	67	11

TABLE 33

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO OC-135

TASKS		1A5X1 ALL (N=190)	1A3X1 OC-135 (N=6)	DIFFERENCE
B0217	Operate test equipment	51	50	1
B0245	Troubleshoot BITE	34	33	1
C0327	Perform in-flight instructor duties	51	50	1
B0263	Troubleshoot radar transmission systems	49	50	1
B0262	Operate radar transmission systems	49	50	1
A0039	Secure personal equipment on aircraft during preflight	85	83	2
A0038	Secure mission equipment on aircraft during preflight	82	83	2
B0259	Operate radar computer components	47	50	3
A0036	Review emergency procedures	80	83	3
A0037	Review or update isolated personnel report (ISOPREP) cards	71	67	4
B0227	Troubleshoot alternate mission equipment	21	17	4
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87	83	4
A0031	Perform initialization of mission systems	87	83	4
A0025	Participate in general or specialized mission briefings	87	83	4
B0219	Repair test equipment	21	17	4
B0189	Repair cooling systems	29	33	4
D0379	Reconfigure aircraft for specific mission requirements	29	33	4
B0274	Operate environmental systems	38	33	5
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	72	67	5
D0354	Operate portable radios	22	17	5
B0226	Operate alternate mission equipment	22	17	5
B0280	Operate oxygen systems	62	67	5
C0314	Operate life support systems	56	50	6
D0357	Participate in predeployment mobility briefings	56	50	6
B0218	Troubleshoot test equipment	39	33	6
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	39	33	6
B0188	Troubleshoot cooling systems	61	67	6
A0003	Assemble professional or personal flight gear	77	83	6
B0187	Operate cooling systems	44	50	6
A0035	Review aircrew currency requirements	60	67	7



TABLE 33 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO OC-135

TASKS		1A5X1 ALL (N=190)	1A3X1 OC-135 (N=6)	DIFFERENCE
B0193	Operate lighting systems	43	50	7
A0011	Determine aircraft status	92	83	8
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91	83	8
B0244	Operate built-in test equipment (BITE)	41	33	8
C0305	Deploy survival gear, such as MA-1 kits	26	33	8
A0028	Perform preflight inspections, other than life support inspections	92	100	8
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	76	67	9
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	59	50	9
B0145	Operate recording systems	59	50	9
B0143	Troubleshoot computer systems	58	67	9
C0296	Clean interior of aircraft	24	33	9
B0147	Repair recording systems	41	50	9
B0042	Repair high-power transmitters	27	17	10
D0371	Practice duress code procedures	27	17	10
C0337	Practice or perform emergency procedures	74	83	10
B0041	Troubleshoot high-power transmitters	45	33	11
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	61	50	11
C0326	Perform in-flight evaluator duties	22	33	12
D0372	Practice self-protection from extreme weather	22	33	12
B0146	Troubleshoot recording systems	55	67	12
C0330	Perform operational tests of program software after modifications	54	67	12
B0198	Repair AC or DC electrical systems	21	33	13
C0343	Utilize core automated maintenance system (CAMS)	37	50	13
B0246	Repair BITE	20	33	13
A0004	Conduct premission briefings, including certifications	64	50	14
D0377	Prepare personal clothing or equipment for deployment	64	50	14
B0260	Troubleshoot radar computer components	47	33	14
B0142	Operate computer systems	53	67	14

TABLE 34

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO C-20

TASKS		1A5X1 ALL (N=190)	1A3X1 C-20 (N=21)	DIFFERENCE
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	76	76	0
B0193	Operate lighting systems	43	43	0
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	72	71	0
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	21	19	1
C0321	Perform emergency destruct procedures	68	67	1
A0026	Participate in premission briefings, other than conducting	82	81	1
D0381	Store equipment at mission locations	20	19	1
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91	90	1
A0036	Review emergency procedures	80	81	1
B0040	Operate high-power transmitters	42	43	1
C0328	Perform operational checkouts of aircraft mission systems after maintenance	75	76	1
A0029	Perform preflight life support inspections	45	43	2
B0041	Troubleshoot high-power transmitters	45	43	2
A0025	Participate in general or specialized mission briefings	87	86	2
A0004	Conduct premission briefings, including certifications pyramid recall rosters	64	67	2
D0347	Determine personnel or equipment requirements for mission deployments	22	19	3
D0372	Practice self-protection from extreme weather	22	19	3
D0367	Perform standby alert procedures	48	52	4
B0143	Troubleshoot computer systems	58	62	4
C0329	Perform operational checkouts of aircraft mission systems after modifications	58	62	4
D0379	Reconfigure aircraft for specific mission requirements	29	33	4
C0310	Monitor passengers	34	29	5
D0360	Perform alert crew changeovers	38	43	5
A0039	Secure personal equipment on aircraft during preflight	85	90	5
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	28	33	5
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87	81	6

TABLE 34 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO C-20

TASKS		1A5X1 ALL (N=190)	1A3X1 C-20 (N=21)	DIFFERENCE
A0028	Perform preflight inspections, other than life support inspections	92	86	6
C0313	Operate emergency equipment	77	71	6
A0003	Assemble professional or personal flight gear	77	71	6
B0287	Remove or reinstall aircraft access plates, panels, or flooring	25	19	6
B0245	Troubleshoot BITE	34	29	6
B0215	Troubleshoot IFF systems	52	57	6
C0314	Operate life support systems	56	62	6
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	61	67	6
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	22	14	7
C0337	Practice or perform emergency procedures	74	67	7
C0327	Perform in-flight instructor duties	51	57	7
D0354	Operate portable radios	22	29	7
C0309	Maintain logs, such as in-flight or maintenance	78	86	7
B0244	Operate built-in test equipment (BITE)	41	33	8
D0359	Perform alert aircraft changeovers	30	38	8
C0317	Participate in postmission debriefings	63	71	8
D0368	Practice alert force or alert reaction exercises	28	19	9
D0350	Establish equipment security at mission locations	15	24	9
B0281	Troubleshoot oxygen systems	19	29	9
B0142	Operate computer systems	53	62	9
A0038	Secure mission equipment on aircraft during preflight	82	71	10
A0001	Annotate mission planning forms	66	76	10
C0323	Perform functional check flight (FCF) duties	45	33	11
C0330	Perform operational tests of program software after modifications	54	43	11
B0226	Operate alternate mission equipment	22	10	12
B0227	Troubleshoot alternate mission equipment	21	10	12
C0326	Perform in-flight evaluator duties	22	33	12
B0042	Repair high-power transmitters	27	14	13
C0294	Assist in aircraft servicing	25	38	13

TABLE 35

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO E-3

TASKS		1A5X1 ALL (N=190)	1A3X1 E-3 (N=121)	DIFFERENCE
D0366	Perform first-aid lifesaving techniques	44	44	0
C0325	Perform in-flight checklist procedures	82	82	0
A0028	Perform preflight inspections, other than life support inspections	92	92	0
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	59	59	0
B0246	Repair BITE	20	20	0
D0381	Store equipment at mission locations	20	20	0
D0368	Practice alert force or alert reaction exercises	28	27	1
D0379	Reconfigure aircraft for specific mission requirements	29	28	1
C0320	Perform crew coordination activities	63	62	1
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	39	40	1
D0358	Perform aircraft cocking or uncocking procedures	76	74	2
A0026	Participate in premission briefings, other than conducting	82	80	2
D0362	Perform chemical warfare agent decontamination procedures	36	34	2
C0321	Perform emergency destruct procedures	68	66	2
A0004	Conduct premission briefings, including certifications	64	66	2
A0003	Assemble professional or personal flight gear	77	79	2
D0367	Perform standby alert procedures	48	50	2
D0359	Perform alert aircraft changeovers	30	32	2
D0354	Operate portable radios	22	24	2
A0039	Secure personal equipment on aircraft during preflight	85	82	3
D0372	Practice self-protection from extreme weather	22	18	3
B0194	Troubleshoot lighting systems	22	18	3
A0037	Review or update isolated personnel report (ISOPREP) cards	71	68	3
D0347	Determine personnel or equipment requirements for mission deployments	22	19	3
D0349	Don or doff chemical warfare personal protective clothing	57	55	3
B0193	Operate lighting systems	43	40	3
C0337	Practice or perform emergency procedures	74	71	3
C0331	Perform postflight inspections	39	36	3
A0025	Participate in general or specialized mission briefings	87	90	3
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87	90	3

TABLE 35 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO E-3

TASKS		1A5X1 ALL (N=190)	1A3X1 E-3 (N=121)	DIFFERENCE
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	66	69	3
C0314	Operate life support systems	56	60	3
D0357	Participate in predeployment mobility briefings	56	52	4
B0214	Operate identification friend or foe (IFF) systems	36	32	4
C0309	Maintain logs, such as in-flight or maintenance	78	74	4
D0377	Prepare personal clothing or equipment for deployment	64	68	4
A0036	Review emergency procedures	80	84	4
C0317	Participate in postmission debriefings	63	58	5
B0280	Operate oxygen systems	62	57	5
D0371	Practice duress code procedures	27	22	5
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91	96	5
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	28	21	6
C0313	Operate emergency equipment	77	70	7
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	76	83	7
C0296	Clean interior of aircraft	24	17	8
D0360	Perform alert crew changeovers	38	46	8
B0042	Repair high-power transmitters	27	36	9
C0303	Coordinate systems status with crew members	60	50	10
C0339	Remove or install aircraft light lenses, light bulbs, or batteries	44	34	10
B0287	Remove or reinstall aircraft access plates, panels, or flooring	25	15	10
A0029	Perform preflight life support inspections	45	55	10
B0187	Operate cooling systems	44	32	11
C0305	Deploy survival gear, such as MA-1 kits	26	15	11
B0198	Repair AC or DC electrical systems	21	10	11
A0031	Perform initialization of mission systems	87	77	11
C0301	Coordinate phone patches or intercommunications with appropriate personnel	51	61	11
C0326	Perform in-flight evaluator duties	22	9	12
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	61	49	12

TABLE 36

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO E-8

TASKS		1A5X1 ALL (N=190)	1A3X1 E-8 (N=22)	DIFFERENCE
A0017	Identify mission software requirements	68	68	0
C0330	Perform operational tests of program software after modifications	54	55	0
B0042	Repair high-power transmitters	27	27	0
A0028	Perform preflight inspections, other than life support inspections	92	91	1
A0025	Participate in general or specialized mission briefings	87	86	1
D0362	Perform chemical warfare agent decontamination procedures	36	36	1
B0226	Operate alternate mission equipment	22	23	1
D0354	Operate portable radios	22	23	1
B0245	Troubleshoot BITE	34	32	2
B0198	Repair AC or DC electrical systems	21	18	2
B0193	Operate lighting systems	43	41	2
D0379	Reconfigure aircraft for specific mission requirements	29	27	2
D0349	Don or doff chemical warfare personal protective clothing	57	59	2
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	66	68	2
C0334	Pick up or turn in aircraft life support equipment	29	32	2
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	22	18	3
D0372	Practice self-protection from extreme weather	22	18	3
C0326	Perform in-flight evaluator duties	22	18	3
B0227	Troubleshoot alternate mission equipment	21	18	3
B0142	Operate computer systems	53	50	3
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	61	64	3
D0381	Store equipment at mission locations	20	23	3
B0041	Troubleshoot high-power transmitters	45	41	4
A0035	Review aircrew currency requirements	60	64	4
B0040	Operate high-power transmitters	42	45	4
D0377	Prepare personal clothing or equipment for deployment	64	68	4
A0011	Determine aircraft status	92	86	5
C0343	Utilize core automated maintenance system (CAMS)	37	32	5

TABLE 36 (CONTINUED)

TECHNICAL TASKS WITH MOST COMMONALITY BETWEEN ALL DAFSC 1A5X1 PERSONNEL  
AND DAFSC 1A3X1 PERSONNEL ASSIGNED TO E-8

TASKS		1A5X1 ALL (N=190)	1A3X1 E-8 (N=22)	DIFFERENCE
A0026	Participate in premission briefings, other than conducting	82	77	5
D0347	Determine personnel or equipment requirements for mission deployments	22	27	5
A0031	Perform initialization of mission systems	87	82	6
B0216	Repair IFF systems	37	32	6
A0039	Secure personal equipment on aircraft during preflight	85	91	6
C0329	Perform operational checkouts of aircraft mission systems after modifications	58	64	6
A0036	Review emergency procedures	80	86	6
D0366	Perform first-aid lifesaving techniques	44	36	7
D0353	Maintain mobility kits	16	23	7
B0194	Troubleshoot lighting systems	22	14	8
B0281	Troubleshoot oxygen systems	19	27	8
C0309	Maintain logs, such as in-flight or maintenance	78	86	8
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91	82	9
A0038	Secure mission equipment on aircraft during preflight	82	73	9
C0313	Operate emergency equipment	77	86	9
C0325	Perform in-flight checklist procedures	82	91	9
C0327	Perform in-flight instructor duties	51	41	10
C0323	Perform functional check flight (FCF) duties	45	55	10
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	72	82	10
B0246	Repair BITE	20	9	11
D0357	Participate in predeployment mobility briefings	56	45	11
B0197	Troubleshoot AC or DC electrical systems	43	32	11
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	38	27	11
B0280	Operate oxygen systems	62	73	11
B0131	Troubleshoot data switches or hubs	12	23	11
B0130	Operate data switches or hubs	12	23	11
D0358	Perform aircraft cocking or uncocking procedures	76	64	12
C0307	Initiate software deficiency reports (SDRs)	35	23	12
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87	100	13

TABLE 37

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON PRIMARY MISSION  
 (PERCENT RESPONDING)

DUTIES	ABCCC	AWACS,	COBRA	COMBAT	COMBAT	CINC
	(N=22)	NOT NATO (N=243)	BALL (N=16)	SENT (N=14)	SHADOW (N=20)	SUPPORT (N=5)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	20	22	15	13	18	23
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	37	41	42	52	25	29
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	17	13	14	12	16	12
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	6	5	3	8	3
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	7	8	10	10	14	12
F PERFORMING TRAINING ACTIVITIES	6	5	8	5	6	5
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	7	4	4	3	11	13
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	1	2	2	2	3



TABLE 37 (CONTINUED)

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON PRIMARY MISSION  
 (PERCENT RESPONDING)

DUTIES	COMPASS	JSTARS	NAOC	NATO	OPEN	OPERATIONAL
	CALL (N=10)	(N=41)	(N=65)	AWACS (N=39)	SKIES (N=5)	SUPPORT AIRLIFT (N=4)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	14	18	18	17	19	16
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	39	43	42	37	25	38
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15	14	12	14	21	12
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	4	8	5	3	4
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	11	9	8	12	18	14
F PERFORMING TRAINING ACTIVITIES	7	5	5	7	7	5
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	7	6	6	7	2	8
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	1	1	5	3

TABLE 37 (CONTINUED)

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON PRIMARY MISSION  
 (PERCENT RESPONDING)

DUTIES	RESCUE	RIVET	SENIOR	SPECIAL	STAFF	TECHNICAL
	(N=19)	JOINT (N=62)	SCOUT (N=16)	AIR MISSIONS (N=48)	(N=6)	TRAINING (N=9)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	25	14	12	20	10	6
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	28	53	46	38	21	17
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15	12	11	13	8	8
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	10	4	5	3	2	1
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	8	6	11	12	29	24
F PERFORMING TRAINING ACTIVITIES	4	5	6	6	19	37
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	9	3	5	7	10	5
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	3	4	1	1	2

TABLE 38

## REPRESENTATIVE TASKS PERFORMED BY ABCCC PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=22)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	95
C0325	Perform in-flight checklist procedures	91
B0092	Troubleshoot Have Quick systems	91
A0028	Perform preflight inspections, other than life support inspections	86
B0091	Operate Have Quick systems	86
B0080	Troubleshoot VHF AM systems	86
B0044	Troubleshoot HF voice systems	86
A0036	Review emergency procedures	82
B0079	Operate VHF AM systems	82
E0430	Maintain aircrew currency requirements	82
A0029	Perform preflight life support inspections	82
C0320	Perform crew coordination activities	82
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	82
C0313	Operate emergency equipment	82
C0314	Operate life support systems	82
A0003	Assemble professional or personal flight gear	82
B0050	Troubleshoot UHF SATCOM voice systems	82
A0022	Obtain classified materials or documents	77
B0043	Operate high-frequency (HF) voice systems	77
B0190	Operate cryptographic loading devices	77
C0337	Practice or perform emergency procedures	77
B0083	Troubleshoot VHF FM systems	77
B0089	Troubleshoot VHF SINCGARSs	77
D0377	Prepare personal clothing or equipment for deployment	77
A0016	Establish communications security (COMSEC) requirements	73
B0071	Troubleshoot UHF AM voice systems	73
B0082	Operate VHF frequency modulation (FM) systems	73
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	73
B0088	Operate VHF single-channel ground-to-air radio systems (SINCGARSs)	73
C0331	Perform postflight inspections	73
C0321	Perform emergency destruct procedures	73
B0166	Operate patch panels	73
A0024	Obtain and secure COMSEC material	68
G0487	Destroy COMSEC or classified materials or documents	68
A0002	Assemble communications kits	68
B0070	Operate UHF amplitude modulation (AM) voice systems	68
B0124	Operate joint tactical information distribution systems (JTIDSs)	68
A0039	Secure personal equipment on aircraft during preflight	68
B0191	Troubleshoot cryptographic loading devices	68
A0011	Determine aircraft status	68
A0031	Perform initialization of mission systems	64
B0280	Operate oxygen systems	64
B0125	Troubleshoot JTIDSs	64

\* Average Number of Tasks Performed – 123

TABLE 39

## REPRESENTATIVE TASKS PERFORMED BY AWACS, OTHER THAN NATO, PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=243)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	94
A0028	Perform preflight inspections, other than life support inspections	93
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	88
A0025	Participate in general or specialized mission briefings	87
A0039	Secure personal equipment on aircraft during preflight	84
A0031	Perform initialization of mission systems	83
C0325	Perform in-flight checklist procedures	81
A0036	Review emergency procedures	81
A0026	Participate in premission briefings, other than conducting	80
A0037	Review or update isolated personnel report (ISOPREP) cards	80
A0011	Determine aircraft status	79
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	77
A0038	Secure mission equipment on aircraft during preflight	77
C0309	Maintain logs, such as in-flight or maintenance	76
A0003	Assemble professional or personal flight gear	76
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	75
D0358	Perform aircraft cocking or uncocking procedures	74
A0001	Annotate mission planning forms	72
C0313	Operate emergency equipment	72
C0337	Practice or perform emergency procedures	70
A0004	Conduct premission briefings, including certifications	68
A0035	Review aircrew currency requirements	67
C0321	Perform emergency destruct procedures	67
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	66
E0430	Maintain aircrew currency requirements	65
C0328	Perform operational checkouts of aircraft mission systems after maintenance	64
D0377	Prepare personal clothing or equipment for deployment	63
A0022	Obtain classified materials or documents	59
B0040	Operate high-power transmitters	58
C0320	Perform crew coordination activities	58
C0317	Participate in postmission debriefings	58
B0280	Operate oxygen systems	56
D0349	Don or doff chemical warfare personal protective clothing	56
B0041	Troubleshoot high-power transmitters	55
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	55
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	54
D0357	Participate in predeployment mobility briefings	54
C0301	Coordinate phone patches or intercommunications with appropriate personnel	54
C0314	Operate life support systems	53
B0215	Troubleshoot IFF systems	52

\* Average Number of Tasks Performed – 105

TABLE 40

## REPRESENTATIVE TASKS PERFORMED BY COBRA BALL PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=16)
A0031	Perform initialization of mission systems	100
B0146	Troubleshoot recording systems	100
A0038	Secure mission equipment on aircraft during preflight	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
B0147	Repair recording systems	100
A0039	Secure personal equipment on aircraft during preflight	94
B0137	Troubleshoot collection receiver systems	94
C0328	Perform operational checkouts of aircraft mission systems after maintenance	94
C0325	Perform in-flight checklist procedures	88
A0026	Participate in premission briefings, other than conducting	88
B0143	Troubleshoot computer systems	88
B0144	Repair computer systems	88
B0138	Repair collection receiver systems	88
B0149	Troubleshoot signal analysis equipment	88
C0337	Practice or perform emergency procedures	88
A0037	Review or update isolated personnel report (ISOPREP) cards	88
B0170	Troubleshoot RF distribution systems	81
C0327	Perform in-flight instructor duties	81
B0142	Operate computer systems	81
B0171	Repair RF distribution systems	81
A0025	Participate in general or specialized mission briefings	81
E0430	Maintain aircrew currency requirements	81
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	81
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	81
A0036	Review emergency procedures	81
C0314	Operate life support systems	81
C0329	Perform operational checkouts of aircraft mission systems after modifications	81
C0339	Remove or install aircraft light lenses, light bulbs, or batteries	81
D0377	Prepare personal clothing or equipment for deployment	81
B0197	Troubleshoot AC or DC electrical systems	81
C0313	Operate emergency equipment	81
C0321	Perform emergency destruct procedures	81
A0028	Perform preflight inspections, other than life support inspections	75
B0283	Troubleshoot software	75
B0233	Troubleshoot IF switching systems	75
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	75
B0148	Operate signal analysis equipment	75
C0330	Perform operational tests of program software after modifications	75
B0288	Remove or replace circuit card assemblies	75
B0193	Operate lighting systems	75
F0464	Counsel trainees on training progress	75
B0150	Repair signal analysis equipment	75

\* Average Number of Tasks Performed – 152

TABLE 41

## REPRESENTATIVE TASKS PERFORMED BY COMBAT SENT PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=14)
C0329	Perform operational checkouts of aircraft mission systems after modifications	93
C0330	Perform operational tests of program software after modifications	93
A0031	Perform initialization of mission systems	93
B0143	Troubleshoot computer systems	93
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	93
B0144	Repair computer systems	93
B0137	Troubleshoot collection receiver systems	93
B0138	Repair collection receiver systems	93
B0146	Troubleshoot recording systems	93
B0170	Troubleshoot RF distribution systems	93
B0147	Repair recording systems	93
A0039	Secure personal equipment on aircraft during preflight	93
C0325	Perform in-flight checklist procedures	93
B0171	Repair RF distribution systems	93
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	93
A0036	Review emergency procedures	93
B0288	Remove or replace circuit card assemblies	93
A0011	Determine aircraft status	93
B0167	Troubleshoot patch panels	93
B0168	Repair patch panels	93
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	86
B0142	Operate computer systems	86
B0217	Operate test equipment	86
A0026	Participate in premission briefings, other than conducting	86
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	86
A0028	Perform preflight inspections, other than life support inspections	86
B0149	Troubleshoot signal analysis equipment	86
A0022	Obtain classified materials or documents	86
B0129	Repair digital data distribution systems, such as LANs or buses	86
B0150	Repair signal analysis equipment	86
A0017	Identify mission software requirements	86
B0140	Troubleshoot fiber optics systems	86
C0320	Perform crew coordination activities	86
C0328	Perform operational checkouts of aircraft mission systems after maintenance	86
B0141	Repair fiber optics systems	86
B0197	Troubleshoot AC or DC electrical systems	86
B0152	Troubleshoot DF equipment	79
C0293	Analyze equipment for optimum mission configurations	79
B0153	Repair DF equipment	79
B0166	Operate patch panels	79
B0218	Troubleshoot test equipment	79
B0131	Troubleshoot data switches or hubs	79
B0132	Repair data switches or hubs	79

\* Average Number of Tasks Performed – 153

TABLE 42

## REPRESENTATIVE TASKS PERFORMED BY COMBAT SHADOW PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=20)
A0028	Perform preflight inspections, other than life support inspections	100
G0487	Destroy COMSEC or classified materials or documents	100
C0309	Maintain logs, such as in-flight or maintenance	100
A0024	Obtain and secure COMSEC material	100
A0022	Obtain classified materials or documents	100
A0036	Review emergency procedures	100
A0003	Assemble professional or personal flight gear	100
C0331	Perform postflight inspections	100
B0214	Operate identification friend or foe (IFF) systems	100
C0337	Practice or perform emergency procedures	100
A0002	Assemble communications kits	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
C0319	Perform authentication procedures	100
C0313	Operate emergency equipment	100
B0067	Operate demand assigned multiple access (DAMA) systems	100
A0013	Determine mission communications requirements	95
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	95
A0026	Participate in premission briefings, other than conducting	95
C0325	Perform in-flight checklist procedures	95
E0430	Maintain aircrew currency requirements	95
C0320	Perform crew coordination activities	95
A0016	Establish communications security (COMSEC) requirements	95
B0091	Operate Have Quick systems	95
B0202	Operate tactical air navigation (TACAN) systems	95
C0314	Operate life support systems	95
B0151	Operate direction finding (DF) equipment	95
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	95
A0037	Review or update isolated personnel report (ISOPREP) cards	95
G0483	Build or prepare COMSEC materials	90
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	90
A0029	Perform preflight life support inspections	90
C0317	Participate in postmission debriefings	90
G0482	Annotate cabinet, safe, or room security forms	90
B0043	Operate high-frequency (HF) voice systems	90
A0039	Secure personal equipment on aircraft during preflight	90
A0038	Secure mission equipment on aircraft during preflight	90
A0035	Review aircrew currency requirements	90
B0220	Operate cryptographic systems	90
A0025	Participate in general or specialized mission briefings	90
A0007	Coordinate flight routes with navigators, pilots, or electronic warfare officers (EWOs)	90
C0333	Perform thruflight inspections	90

\* Average Number of Tasks Performed – 190

TABLE 43

## REPRESENTATIVE TASKS PERFORMED BY CINC SUPPORT PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=5)
E0382	Adjust daily schedules to meet operational commitments	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
B0056	Troubleshoot INMARSAT systems	100
A0013	Determine mission communications requirements	100
B0055	Operate international maritime satellite (INMARSAT) systems	100
B0190	Operate cryptographic loading devices	100
B0050	Troubleshoot UHF SATCOM voice systems	100
A0016	Establish communications security (COMSEC) requirements	100
G0487	Destroy COMSEC or classified materials or documents	100
G0482	Annotate cabinet, safe, or room security forms	100
E0430	Maintain aircrew currency requirements	100
A0003	Assemble professional or personal flight gear	100
A0024	Obtain and secure COMSEC material	100
G0483	Build or prepare COMSEC materials	100
A0022	Obtain classified materials or documents	100
A0020	Maintain COMSEC subaccounts	100
C0325	Perform in-flight checklist procedures	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
A0039	Secure personal equipment on aircraft during preflight	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	100
A0026	Participate in premission briefings, other than conducting	100
B0172	Operate secure telephone units (STUs)	80
C0301	Coordinate phone patches or intercommunications with appropriate personnel	80
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	80
B0103	Operate UHF SATCOM data systems	80
G0489	Establish or maintain accountability records for classified materials or documents	80
B0043	Operate high-frequency (HF) voice systems	80
E0438	Plan communications support for special missions	80
G0495	Issue COMSEC materials	80
B0173	Troubleshoot STUs	80
A0031	Perform initialization of mission systems	80
B0214	Operate identification friend or foe (IFF) systems	80
C0309	Maintain logs, such as in-flight or maintenance	80
B0104	Troubleshoot UHF SATCOM data systems	80
G0491	Identify and report suspected security compromises	80
A0004	Conduct premission briefings, including certifications	80
A0028	Perform preflight inspections, other than life support inspections	80
G0501	Maintain personal aircrew flight manuals or checklists	80
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	80
C0319	Perform authentication procedures	80

\* Average Number of Tasks Performed – 107



TABLE 44

## REPRESENTATIVE TASKS PERFORMED BY COMPASS CALL PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=10)
B0142	Operate computer systems	100
A0031	Perform initialization of mission systems	100
B0244	Operate built-in test equipment (BITE)	100
A0036	Review emergency procedures	100
C0337	Practice or perform emergency procedures	100
A0028	Perform preflight inspections, other than life support inspections	100
B0152	Troubleshoot DF equipment	100
B0143	Troubleshoot computer systems	100
B0149	Troubleshoot signal analysis equipment	100
B0170	Troubleshoot RF distribution systems	100
B0158	Troubleshoot jamming systems	100
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	100
A0011	Determine aircraft status	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
B0144	Repair computer systems	100
B0041	Troubleshoot high-power transmitters	100
B0153	Repair DF equipment	100
B0171	Repair RF distribution systems	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
B0197	Troubleshoot AC or DC electrical systems	100
B0159	Repair jamming systems	100
A0039	Secure personal equipment on aircraft during preflight	100
A0038	Secure mission equipment on aircraft during preflight	100
C0335	Position and connect aerospace ground equipment (AGE)	100
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	100
G0482	Annotate cabinet, safe, or room security forms	100
C0325	Perform in-flight checklist procedures	90
B0151	Operate direction finding (DF) equipment	90
B0245	Troubleshoot BITE	90
B0040	Operate high-power transmitters	90
B0148	Operate signal analysis equipment	90
B0169	Operate radio frequency (RF) distribution systems	90
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	90
C0328	Perform operational checkouts of aircraft mission systems after maintenance	90
B0193	Operate lighting systems	90
B0157	Operate jamming systems	90
B0246	Repair BITE	90
A0025	Participate in general or specialized mission briefings	90
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	90
A0022	Obtain classified materials or documents	90

\* Average Number of Tasks Performed – 161

TABLE 45

## REPRESENTATIVE TASKS PERFORMED BY JSTARS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=41)
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
C0325	Perform in-flight checklist procedures	95
A0039	Secure personal equipment on aircraft during preflight	95
A0028	Perform preflight inspections, other than life support inspections	93
A0025	Participate in general or specialized mission briefings	93
C0309	Maintain logs, such as in-flight or maintenance	93
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	93
A0003	Assemble professional or personal flight gear	93
A0031	Perform initialization of mission systems	90
C0320	Perform crew coordination activities	90
A0009	Coordinate mission software requirements with appropriate agencies	90
A0001	Annotate mission planning forms	90
A0011	Determine aircraft status	90
C0315	Operate or monitor crew member terminals (CMTs)	88
A0036	Review emergency procedures	88
C0337	Practice or perform emergency procedures	88
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	88
C0313	Operate emergency equipment	88
A0026	Participate in premission briefings, other than conducting	85
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	83
A0038	Secure mission equipment on aircraft during preflight	83
A0004	Conduct premission briefings, including certifications	80
C0303	Coordinate systems status with crew members	80
C0328	Perform operational checkouts of aircraft mission systems after maintenance	80
C0317	Participate in postmission debriefings	78
A0017	Identify mission software requirements	78
A0037	Review or update isolated personnel report (ISOPREP) cards	78
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	76
C0329	Perform operational checkouts of aircraft mission systems after modifications	76
B0142	Operate computer systems	73
G0501	Maintain personal aircrew flight manuals or checklists	73
B0280	Operate oxygen systems	73
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	73
C0314	Operate life support systems	73
B0282	Operate software	71
E0430	Maintain aircrew currency requirements	71
A0022	Obtain classified materials or documents	71
G0514	Review TOs for in-flight procedures	68
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	68
G0490	File in-flight logs in aircraft history books	68

\* Average Number of Tasks Performed – 146

TABLE 46

## REPRESENTATIVE TASKS PERFORMED BY NAOC PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=65)
D0360	Perform alert crew changeovers	85
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	83
A0036	Review emergency procedures	80
D0359	Perform alert aircraft changeovers	78
D0367	Perform standby alert procedures	77
D0368	Practice alert force or alert reaction exercises	75
C0325	Perform in-flight checklist procedures	75
A0039	Secure personal equipment on aircraft during preflight	75
B0190	Operate cryptographic loading devices	68
A0022	Obtain classified materials or documents	68
A0025	Participate in general or specialized mission briefings	68
B0110	Troubleshoot MILSTAR terminals	68
C0313	Operate emergency equipment	68
C0320	Perform crew coordination activities	66
A0038	Secure mission equipment on aircraft during preflight	66
A0024	Obtain and secure COMSEC material	65
C0309	Maintain logs, such as in-flight or maintenance	65
A0003	Assemble professional or personal flight gear	63
A0026	Participate in premission briefings, other than conducting	63
C0337	Practice or perform emergency procedures	63
B0109	Operate military strategic, tactical and relay (MILSTAR) terminals	62
B0052	Operate UHF frequency division multiplexer (FDM) systems	62
B0280	Operate oxygen systems	60
C0331	Perform postflight inspections	60
B0113	Troubleshoot MPSs	58
A0031	Perform initialization of mission systems	58
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	57
E0430	Maintain aircrew currency requirements	55
B0067	Operate demand assigned multiple access (DAMA) systems	55
A0028	Perform preflight inspections, other than life support inspections	55
B0068	Troubleshoot DAMA systems	55
B0220	Operate cryptographic systems	54
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	54
B0221	Troubleshoot cryptographic systems	54
B0155	Troubleshoot data encryption devices	54
B0154	Operate data encryption devices	52
B0044	Troubleshoot HF voice systems	52
B0050	Troubleshoot UHF SATCOM voice systems	52
B0104	Troubleshoot UHF SATCOM data systems	52
B0191	Troubleshoot cryptographic loading devices	52
B0053	Troubleshoot UHF FDM systems	51
G0487	Destroy COMSEC or classified materials or documents	51
B0070	Operate UHF amplitude modulation (AM) voice systems	51

\* Average Number of Tasks Performed – 103

TABLE 47

## REPRESENTATIVE TASKS PERFORMED BY NATO AWACS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=39)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0025	Participate in general or specialized mission briefings	97
A0028	Perform preflight inspections, other than life support inspections	95
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	95
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	92
D0377	Prepare personal clothing or equipment for deployment	92
A0003	Assemble professional or personal flight gear	92
A0001	Annotate mission planning forms	92
A0026	Participate in premission briefings, other than conducting	90
C0337	Practice or perform emergency procedures	87
C0313	Operate emergency equipment	87
A0036	Review emergency procedures	87
D0358	Perform aircraft cocking or uncocking procedures	87
A0031	Perform initialization of mission systems	85
C0325	Perform in-flight checklist procedures	82
A0039	Secure personal equipment on aircraft during preflight	82
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	82
C0320	Perform crew coordination activities	79
G0501	Maintain personal aircrew flight manuals or checklists	79
C0314	Operate life support systems	79
C0321	Perform emergency destruct procedures	79
C0309	Maintain logs, such as in-flight or maintenance	77
B0280	Operate oxygen systems	77
E0430	Maintain aircrew currency requirements	74
B0244	Operate built-in test equipment (BITE)	74
A0011	Determine aircraft status	74
C0328	Perform operational checkouts of aircraft mission systems after maintenance	74
C0317	Participate in postmission debriefings	72
C0303	Coordinate systems status with crew members	72
A0022	Obtain classified materials or documents	69
E0382	Adjust daily schedules to meet operational commitments	67
B0285	Configure communications or electronic systems for operations	67
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	67
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	67
A0038	Secure mission equipment on aircraft during preflight	67
B0193	Operate lighting systems	64
B0040	Operate high-power transmitters	62
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	62
G0490	File in-flight logs in aircraft history books	62

\* Average Number of Tasks Performed – 122

TABLE 48

## REPRESENTATIVE TASKS PERFORMED BY OPEN SKIES PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=5)
C0325	Perform in-flight checklist procedures	100
C0320	Perform crew coordination activities	100
E0430	Maintain aircrew currency requirements	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
A0026	Participate in premission briefings, other than conducting	100
C0329	Perform operational checkouts of aircraft mission systems after modifications	100
C0310	Monitor passengers	100
A0028	Perform preflight inspections, other than life support inspections	100
C0331	Perform postflight inspections	100
B0239	Troubleshoot sensor systems	100
C0317	Participate in postmission debriefings	100
B0230	Troubleshoot video systems	100
B0240	Repair sensor systems	100
B0251	Troubleshoot radar systems	100
B0242	Troubleshoot data display systems	100
B0231	Repair video systems	100
B0238	Operate sensor systems	80
C0337	Practice or perform emergency procedures	80
A0031	Perform initialization of mission systems	80
E0397	Determine or establish work assignments or priorities	80
A0011	Determine aircraft status	80
E0398	Determine or evaluate causes of mission operational discrepancies	80
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	80
H0528	Pick up, deliver, or store equipment, tools, parts, or supplies, other than life support equipment	80
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	80
B0229	Operate video systems	80
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	80
F0463	Conduct on-the-job training (OJT)	80
A0025	Participate in general or specialized mission briefings	80
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	80
C0332	Perform supplemental inspections, such as acceptance, calendar, or time replacement item	80
A0003	Assemble professional or personal flight gear	80
A0036	Review emergency procedures	80
B0241	Operate data display systems	80
A0039	Secure personal equipment on aircraft during preflight	80
A0038	Secure mission equipment on aircraft during preflight	80
F0460	Conduct ground training	80
C0333	Perform thruflight inspections	80
B0250	Operate radar systems	80
E0382	Adjust daily schedules to meet operational commitments	60

\* Average Number of Tasks Performed – 91

TABLE 49

## REPRESENTATIVE TASKS PERFORMED BY OPERATIONAL SUPPORT AIRLIFT PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=4)
B0050	Troubleshoot UHF SATCOM voice systems	100
A0035	Review aircrew currency requirements	100
A0036	Review emergency procedures	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
C0320	Perform crew coordination activities	100
A0028	Perform preflight inspections, other than life support inspections	100
C0313	Operate emergency equipment	100
C0325	Perform in-flight checklist procedures	100
A0039	Secure personal equipment on aircraft during preflight	100
C0314	Operate life support systems	100
A0020	Maintain COMSEC subaccounts	75
E0447	Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	75
G0483	Build or prepare COMSEC materials	75
E0382	Adjust daily schedules to meet operational commitments	75
G0495	Issue COMSEC materials	75
C0301	Coordinate phone patches or intercommunications with appropriate personnel	75
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	75
B0043	Operate high-frequency (HF) voice systems	75
E0430	Maintain aircrew currency requirements	75
A0024	Obtain and secure COMSEC material	75
A0022	Obtain classified materials or documents	75
G0487	Destroy COMSEC or classified materials or documents	75
B0214	Operate identification friend or foe (IFF) systems	75
A0031	Perform initialization of mission systems	75
B0190	Operate cryptographic loading devices	75
E0390	Conduct self-inspections or self-assessments	75
B0104	Troubleshoot UHF SATCOM data systems	75
B0044	Troubleshoot HF voice systems	75
C0329	Perform operational checkouts of aircraft mission systems after modifications	75
C0328	Perform operational checkouts of aircraft mission systems after maintenance	75
B0217	Operate test equipment	75
B0218	Troubleshoot test equipment	75
B0172	Operate secure telephone units (STUs)	75
B0285	Configure communications or electronic systems for operations	75
H0521	Initiate equipment maintenance actions with appropriate agencies	75
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	75
B0071	Troubleshoot UHF AM voice systems	75
B0056	Troubleshoot INMARSAT systems	75
B0074	Troubleshoot commercial-band UHF/VHF transmitters	75
C0309	Maintain logs, such as in-flight or maintenance	75
G0501	Maintain personal aircrew flight manuals or checklists	75
B0163	Operate wideband secure voice (WBSV) cryptographic systems	75
B0070	Operate UHF amplitude modulation (AM) voice systems	75

\* Average Number of Tasks Performed – 127

TABLE 50

## REPRESENTATIVE TASKS PERFORMED BY RESCUE PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=19)
A0025	Participate in general or specialized mission briefings	100
A0036	Review emergency procedures	95
C0309	Maintain logs, such as in-flight or maintenance	95
A0022	Obtain classified materials or documents	95
B0043	Operate high-frequency (HF) voice systems	95
B0091	Operate Have Quick systems	95
A0024	Obtain and secure COMSEC material	95
B0214	Operate identification friend or foe (IFF) systems	95
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	95
C0319	Perform authentication procedures	95
A0026	Participate in premission briefings, other than conducting	89
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	89
A0028	Perform preflight inspections, other than life support inspections	89
C0331	Perform postflight inspections	89
G0487	Destroy COMSEC or classified materials or documents	89
A0013	Determine mission communications requirements	89
A0016	Establish communications security (COMSEC) requirements	89
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	89
A0039	Secure personal equipment on aircraft during preflight	89
B0202	Operate tactical air navigation (TACAN) systems	89
A0037	Review or update isolated personnel report (ISOPREP) cards	89
C0325	Perform in-flight checklist procedures	84
G0483	Build or prepare COMSEC materials	84
D0377	Prepare personal clothing or equipment for deployment	84
A0003	Assemble professional or personal flight gear	84
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	84
B0151	Operate direction finding (DF) equipment	84
A0002	Assemble communications kits	84
C0337	Practice or perform emergency procedures	84
C0304	Decode or encode messages manually	84
B0215	Troubleshoot IFF systems	84
B0092	Troubleshoot Have Quick systems	84
C0321	Perform emergency destruct procedures	84
B0044	Troubleshoot HF voice systems	84
A0035	Review aircrew currency requirements	79
E0430	Maintain aircrew currency requirements	79
A0029	Perform preflight life support inspections	79
D0373	Prepare evasive plans of action (EPAs)	79
B0280	Operate oxygen systems	79
D0354	Operate portable radios	79
B0073	Operate commercial-band UHF/very high-frequency (VHF) transmitters	74
B0079	Operate VHF AM systems	74

\* Average Number of Tasks Performed – 118

TABLE 51

## REPRESENTATIVE TASKS PERFORMED BY RIVET JOINT PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=72)
B0137	Troubleshoot collection receiver systems	87
B0143	Troubleshoot computer systems	85
A0026	Participate in premission briefings, other than conducting	85
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	85
B0146	Troubleshoot recording systems	85
A0038	Secure mission equipment on aircraft during preflight	84
B0217	Operate test equipment	84
B0288	Remove or replace circuit card assemblies	84
B0131	Troubleshoot data switches or hubs	84
C0325	Perform in-flight checklist procedures	82
B0142	Operate computer systems	82
A0039	Secure personal equipment on aircraft during preflight	82
B0144	Repair computer systems	82
B0129	Repair digital data distribution systems, such as LANs or buses	82
B0147	Repair recording systems	82
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	81
A0011	Determine aircraft status	81
A0036	Review emergency procedures	81
A0031	Perform initialization of mission systems	81
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	81
B0138	Repair collection receiver systems	81
B0218	Troubleshoot test equipment	81
B0152	Troubleshoot DF equipment	81
A0028	Perform preflight inspections, other than life support inspections	79
B0132	Repair data switches or hubs	79
B0197	Troubleshoot AC or DC electrical systems	77
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	77
B0170	Troubleshoot RF distribution systems	77
B0153	Repair DF equipment	77
C0337	Practice or perform emergency procedures	76
B0233	Troubleshoot IF switching systems	76
B0230	Troubleshoot video systems	76
A0025	Participate in general or specialized mission briefings	76
B0171	Repair RF distribution systems	76
C0328	Perform operational checkouts of aircraft mission systems after maintenance	74
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	74
B0149	Troubleshoot signal analysis equipment	73
A0037	Review or update isolated personnel report (ISOPREP) cards	73
B0231	Repair video systems	73
B0167	Troubleshoot patch panels	71
B0130	Operate data switches or hubs	71
B0125	Troubleshoot JTIDSs	71

\* Average Number of Tasks Performed – 163



TABLE 52

## REPRESENTATIVE TASKS PERFORMED BY SENIOR SCOUT PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=16)
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
A0036	Review emergency procedures	100
C0337	Practice or perform emergency procedures	100
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	100
A0038	Secure mission equipment on aircraft during preflight	100
B0170	Troubleshoot RF distribution systems	100
B0288	Remove or replace circuit card assemblies	100
B0197	Troubleshoot AC or DC electrical systems	100
C0325	Perform in-flight checklist procedures	94
C0309	Maintain logs, such as in-flight or maintenance	94
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	94
B0143	Troubleshoot computer systems	94
A0039	Secure personal equipment on aircraft during preflight	94
B0137	Troubleshoot collection receiver systems	94
B0152	Troubleshoot DF equipment	94
A0037	Review or update isolated personnel report (ISOPREP) cards	94
B0217	Operate test equipment	94
C0313	Operate emergency equipment	94
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	94
B0050	Troubleshoot UHF SATCOM voice systems	94
B0224	Troubleshoot TIBSs	94
C0335	Position and connect aerospace ground equipment (AGE)	94
B0044	Troubleshoot HF voice systems	94
B0200	Troubleshoot audio switching systems	94
C0321	Perform emergency destruct procedures	94
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	94
A0031	Perform initialization of mission systems	88
B0287	Remove or reinstall aircraft access plates, panels, or flooring	88
B0282	Operate software	88
B0142	Operate computer systems	88
A0028	Perform preflight inspections, other than life support inspections	88
C0331	Perform postflight inspections	88
B0193	Operate lighting systems	88
C0330	Perform operational tests of program software after modifications	88
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	88
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	88
A0026	Participate in premission briefings, other than conducting	88
B0189	Repair cooling systems	88
A0025	Participate in general or specialized mission briefings	88
B0169	Operate radio frequency (RF) distribution systems	88
B0146	Troubleshoot recording systems	88

\* Average Number of Tasks Performed – 210

TABLE 53

## REPRESENTATIVE TASKS PERFORMED BY SPECIAL AIR MISSIONS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=48)
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	98
A0024	Obtain and secure COMSEC material	96
B0055	Operate international maritime satellite (INMARSAT) systems	94
B0050	Troubleshoot UHF SATCOM voice systems	94
C0325	Perform in-flight checklist procedures	92
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	92
B0043	Operate high-frequency (HF) voice systems	92
B0106	Operate facsimile (fax) systems	90
A0028	Perform preflight inspections, other than life support inspections	90
A0008	Coordinate mission requirements, other than software requirements, with appropriate agencies	90
A0039	Secure personal equipment on aircraft during preflight	90
A0037	Review or update isolated personnel report (ISOPREP) cards	90
B0103	Operate UHF SATCOM data systems	88
B0107	Troubleshoot fax systems	88
B0056	Troubleshoot INMARSAT systems	88
G0487	Destroy COMSEC or classified materials or documents	88
A0013	Determine mission communications requirements	85
B0064	Operate terrestrial aeronautical radio/telephone systems (TARSSs)	83
A0022	Obtain classified materials or documents	83
A0036	Review emergency procedures	83
B0044	Troubleshoot HF voice systems	83
B0172	Operate secure telephone units (STUs)	81
A0025	Participate in general or specialized mission briefings	81
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	81
B0190	Operate cryptographic loading devices	79
C0320	Perform crew coordination activities	79
B0104	Troubleshoot UHF SATCOM data systems	79
C0309	Maintain logs, such as in-flight or maintenance	77
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	77
A0026	Participate in premission briefings, other than conducting	77
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	77
B0173	Troubleshoot STUs	77
C0313	Operate emergency equipment	77
E0430	Maintain aircrew currency requirements	75
A0035	Review aircrew currency requirements	75
B0082	Operate VHF frequency modulation (FM) systems	75
C0297	Coordinate communications traffic flow with distinguished visitors or contacts	73
B0220	Operate cryptographic systems	73
C0331	Perform postflight inspections	73
G0501	Maintain personal aircrew flight manuals or checklists	73

\* Average Number of Tasks Performed – 129

TABLE 54

## REPRESENTATIVE TASKS PERFORMED BY STAFF PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=6)
E0450	Write recommendations for awards or decorations	100
F0465	Determine training requirements	83
E0395	Counsel subordinates concerning personal matters	83
E0449	Write job or position descriptions	83
E0452	Write staff studies, surveys, or routine reports, other than training or inspection reports	83
E0426	Inspect personnel for compliance with military standards	83
F0470	Develop or procure training materials or aids	67
F0468	Develop training programs, plans, or procedures	67
G0515	Write minutes of briefings, conferences, or meetings	67
E0397	Determine or establish work assignments or priorities	67
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	67
F0455	Administer or score tests	67
F0472	Evaluate effectiveness of training programs, plans, or procedures	67
F0476	Maintain training records or files	67
F0473	Evaluate progress of trainees	67
E0383	Analyze technical reports	67
G0493	Initiate requests for TDY orders	67
F0456	Brief personnel concerning training programs or matters	67
E0417	Evaluate personnel for compliance with performance standards	67
E0454	Write or indorse military enlisted performance reports (EPRs)	67
F0479	Prepare job qualification standards (JQSs)	67
G0508	Prepare crew travel vouchers	67
A0028	Perform preflight inspections, other than life support inspections	67
A0026	Participate in premission briefings, other than conducting	67
G0501	Maintain personal aircrew flight manuals or checklists	67
F0474	Evaluate training methods or techniques of instructors	67
A0031	Perform initialization of mission systems	67
E0430	Maintain aircrew currency requirements	67
A0035	Review aircrew currency requirements	67
A0025	Participate in general or specialized mission briefings	67
C0313	Operate emergency equipment	67
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	67
G0510	Prepare travel expense documentation	67
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	67
E0390	Conduct self-inspections or self-assessments	67
A0036	Review emergency procedures	67
E0428	Interpret policies, directives, or procedures for subordinates	50
F0469	Develop written tests	50
F0467	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	50
E0404	Develop or establish work methods or procedures	50
E0406	Draft budget requirements	50

\* Average Number of Tasks Performed – 147

TABLE 55

## REPRESENTATIVE TASKS PERFORMED BY TECHNICAL TRAINING PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=9)
F0455	Administer or score tests	89
F0459	Conduct formal course classroom training	78
F0473	Evaluate progress of trainees	78
F0464	Counsel trainees on training progress	78
F0470	Develop or procure training materials or aids	78
F0467	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	67
F0468	Develop training programs, plans, or procedures	67
F0469	Develop written tests	67
E0426	Inspect personnel for compliance with military standards	67
E0404	Develop or establish work methods or procedures	67
E0405	Develop or establish work schedules	67
F0457	Complete student entry or withdrawal forms	67
E0395	Counsel subordinates concerning personal matters	67
E0392	Conduct supervisory orientations for newly assigned personnel	67
F0475	Inspect training materials or aids for operation or suitability	56
F0474	Evaluate training methods or techniques of instructors	56
F0472	Evaluate effectiveness of training programs, plans, or procedures	56
F0476	Maintain training records or files	56
G0496	Maintain administrative files	56
F0456	Brief personnel concerning training programs or matters	56
E0397	Determine or establish work assignments or priorities	56
F0465	Determine training requirements	44
F0477	Monitor contract training compliance	44
C0337	Practice or perform emergency procedures	33
C0325	Perform in-flight checklist procedures	33
A0039	Secure personal equipment on aircraft during preflight	33
E0417	Evaluate personnel for compliance with performance standards	33
A0038	Secure mission equipment on aircraft during preflight	22
A0026	Participate in premission briefings, other than conducting	22
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	11
B0131	Troubleshoot data switches or hubs	11
B0129	Repair digital data distribution systems, such as LANs or buses	11

\* Average Number of Tasks Performed – 60

TABLE 56

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON LEVEL OF QUALIFICATION  
 (PERCENT RESPONDING)

DUTIES	AIRCREW EXAMINER (N=121)	AIRCREW INSTRUCTOR (N=211)	AIRCREW MEMBER (N=301)	NON- AIRCREW (N=23)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	14	18	22	15
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	34	39	45	32
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	14	13	13	8
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	5	6	7
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	14	10	7	18
F PERFORMING TRAINING ACTIVITIES	10	9	1	14
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	7	5	5	4
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	1	2

TABLE 57

## REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 AIRCREW EXAMINER PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=177)
C0326	Perform in-flight evaluator duties	95
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	95
C0327	Perform in-flight instructor duties	93
A0028	Perform preflight inspections, other than life support inspections	93
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	93
C0325	Perform in-flight checklist procedures	92
A0036	Review emergency procedures	91
A0026	Participate in premission briefings, other than conducting	90
C0337	Practice or perform emergency procedures	90
A0025	Participate in general or specialized mission briefings	89
C0328	Perform operational checkouts of aircraft mission systems after maintenance	88
A0039	Secure personal equipment on aircraft during preflight	88
A0031	Perform initialization of mission systems	87
C0309	Maintain logs, such as in-flight or maintenance	86
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	86
C0313	Operate emergency equipment	86
E0430	Maintain aircrew currency requirements	85
A0038	Secure mission equipment on aircraft during preflight	83
C0320	Perform crew coordination activities	82
A0011	Determine aircraft status	82
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	81
F0458	Conduct continuation training (CT)	80
F0473	Evaluate progress of trainees	79
G0501	Maintain personal aircrew flight manuals or checklists	79
F0462	Conduct mission qualification training (MQT)	79
A0035	Review aircrew currency requirements	79
C0329	Perform operational checkouts of aircraft mission systems after modifications	79
A0003	Assemble professional or personal flight gear	79
C0321	Perform emergency destruct procedures	79
A0022	Obtain classified materials or documents	78
E0387	Complete records of evaluations	77
C0314	Operate life support systems	75
A0037	Review or update isolated personnel report (ISOPREP) cards	75
E0417	Evaluate personnel for compliance with performance standards	74
F0464	Counsel trainees on training progress	74
D0377	Prepare personal clothing or equipment for deployment	74
F0474	Evaluate training methods or techniques of instructors	73
B0280	Operate oxygen systems	73
F0460	Conduct ground training	73
F0455	Administer or score tests	72
F0463	Conduct on-the-job training (OJT)	70
A0004	Conduct premission briefings, including certifications	70

\* Average Number of Tasks Performed – 60

TABLE 58

## REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 AIRCREW INSTRUCTOR PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=211)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	90
A0028	Perform preflight inspections, other than life support inspections	89
C0327	Perform in-flight instructor duties	87
A0039	Secure personal equipment on aircraft during preflight	86
C0325	Perform in-flight checklist procedures	84
A0025	Participate in general or specialized mission briefings	84
A0036	Review emergency procedures	84
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	82
A0026	Participate in premission briefings, other than conducting	81
C0309	Maintain logs, such as in-flight or maintenance	78
C0313	Operate emergency equipment	78
A0031	Perform initialization of mission systems	77
A0011	Determine aircraft status	77
A0038	Secure mission equipment on aircraft during preflight	77
A0003	Assemble professional or personal flight gear	77
F0464	Counsel trainees on training progress	76
C0337	Practice or perform emergency procedures	76
C0320	Perform crew coordination activities	75
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	75
E0430	Maintain aircrew currency requirements	74
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	74
A0022	Obtain classified materials or documents	73
C0328	Perform operational checkouts of aircraft mission systems after maintenance	73
C0321	Perform emergency destruct procedures	70
A0037	Review or update isolated personnel report (ISOPREP) cards	69
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	69
D0377	Prepare personal clothing or equipment for deployment	68
A0035	Review aircrew currency requirements	65
F0463	Conduct on-the-job training (OJT)	64
B0280	Operate oxygen systems	64
F0462	Conduct mission qualification training (MQT)	64
C0314	Operate life support systems	64
A0004	Conduct premission briefings, including certifications	63
A0001	Annotate mission planning forms	62
F0476	Maintain training records or files	62
C0317	Participate in postmission debriefings	62
F0458	Conduct continuation training (CT)	61
C0329	Perform operational checkouts of aircraft mission systems after modifications	61
F0461	Conduct initial qualification training (IQT)	60
F0465	Determine training requirements	60
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	58

\* Average Number of Tasks Performed – 136

TABLE 59

## REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 AIRCREW MEMBER PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=301)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	91
A0028	Perform preflight inspections, other than life support inspections	84
C0325	Perform in-flight checklist procedures	83
A0039	Secure personal equipment on aircraft during preflight	83
A0036	Review emergency procedures	82
A0025	Participate in general or specialized mission briefings	82
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	82
A0026	Participate in premission briefings, other than conducting	77
A0031	Perform initialization of mission systems	76
A0038	Secure mission equipment on aircraft during preflight	74
A0003	Assemble professional or personal flight gear	73
C0309	Maintain logs, such as in-flight or maintenance	71
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	71
C0337	Practice or perform emergency procedures	70
C0313	Operate emergency equipment	69
A0011	Determine aircraft status	65
A0037	Review or update isolated personnel report (ISOPREP) cards	65
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	63
A0022	Obtain classified materials or documents	63
C0321	Perform emergency destruct procedures	63
E0430	Maintain aircrew currency requirements	61
C0320	Perform crew coordination activities	60
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	59
A0035	Review aircrew currency requirements	58
C0317	Participate in postmission debriefings	57
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	57
A0001	Annotate mission planning forms	57
B0190	Operate cryptographic loading devices	56
C0328	Perform operational checkouts of aircraft mission systems after maintenance	56
D0377	Prepare personal clothing or equipment for deployment	56
C0314	Operate life support systems	56
B0280	Operate oxygen systems	55
A0024	Obtain and secure COMSEC material	53
B0050	Troubleshoot UHF SATCOM voice systems	53
C0303	Coordinate systems status with crew members	52
B0043	Operate high-frequency (HF) voice systems	52
B0244	Operate built-in test equipment (BITE)	52
B0044	Troubleshoot HF voice systems	52
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	51

\* Average Number of Tasks Performed – 105



TABLE 60

## REPRESENTATIVE TASKS PERFORMED BY 1A3X1 AND 1A5X1 NON-AIRCREW PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=23)
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	43
C0325	Perform in-flight checklist procedures	43
C0337	Practice or perform emergency procedures	43
A0039	Secure personal equipment on aircraft during preflight	39
A0026	Participate in premission briefings, other than conducting	39
A0011	Determine aircraft status	39
A0036	Review emergency procedures	35
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	35
A0038	Secure mission equipment on aircraft during preflight	35
B0197	Troubleshoot AC or DC electrical systems	35
E0404	Develop or establish work methods or procedures	35
A0031	Perform initialization of mission systems	35
B0146	Troubleshoot recording systems	35
B0142	Operate computer systems	35
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	35
B0147	Repair recording systems	35
E0390	Conduct self-inspections or self-assessments	35
C0313	Operate emergency equipment	35
B0288	Remove or replace circuit card assemblies	35
E0405	Develop or establish work schedules	30
F0459	Conduct formal course classroom training	30
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	30
B0131	Troubleshoot data switches or hubs	30
E0395	Counsel subordinates concerning personal matters	30
B0143	Troubleshoot computer systems	30
G0482	Annotate cabinet, safe, or room security forms	30
A0028	Perform preflight inspections, other than life support inspections	30
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	30
D0349	Don or doff chemical warfare personal protective clothing	30
B0188	Troubleshoot cooling systems	30
A0037	Review or update isolated personnel report (ISOPREP) cards	30
B0080	Troubleshoot VHF AM systems	30
C0317	Participate in postmission debriefings	30
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	30
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	30
F0469	Develop written tests	26
F0473	Evaluate progress of trainees	26
D0354	Operate portable radios	26
E0426	Inspect personnel for compliance with military standards	26
A0003	Assemble professional or personal flight gear	26
G0515	Write minutes of briefings, conferences, or meetings	26

\* Average Number of Tasks Performed – 64

TABLE 61

TIME SPENT ON DUTIES BY AD DAFSC 1A351 AND AD DAFSC 1A551  
CONUS AND OVERSEAS MEMBERS  
(PERCENT RESPONDING)

DUTIES	1A351 CONUS (N=177)	1A351 OVERSEAS (N=49)	1A551 CONUS (N=66)	1A551 OVERSEAS (N=25)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	18	17	22	23
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	44	48	38	33
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	13	11	15	16
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	5	5	6
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	7	8	7	10
F PERFORMING TRAINING ACTIVITIES	5	4	8	5
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	5	6	4	5
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	1	2

TABLE 62

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 CONUS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=177)
A0039	Secure personal equipment on aircraft during preflight	84
C0325	Perform in-flight checklist procedures	82
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	81
A0028	Perform preflight inspections, other than life support inspections	78
A0036	Review emergency procedures	77
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	75
A0025	Participate in general or specialized mission briefings	75
A0026	Participate in premission briefings, other than conducting	73
A0038	Secure mission equipment on aircraft during preflight	72
C0337	Practice or perform emergency procedures	69
A0022	Obtain classified materials or documents	69
A0003	Assemble professional or personal flight gear	68
C0313	Operate emergency equipment	68
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	67
A0031	Perform initialization of mission systems	66
B0050	Troubleshoot UHF SATCOM voice systems	66
C0309	Maintain logs, such as in-flight or maintenance	65
B0044	Troubleshoot HF voice systems	65
C0320	Perform crew coordination activities	63
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	63
B0043	Operate high-frequency (HF) voice systems	63
A0037	Review or update isolated personnel report (ISOPREP) cards	63
B0190	Operate cryptographic loading devices	62
E0430	Maintain aircrew currency requirements	62
A0024	Obtain and secure COMSEC material	62
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	62
C0321	Perform emergency destruct procedures	60
B0083	Troubleshoot VHF FM systems	59
D0377	Prepare personal clothing or equipment for deployment	59
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	59
C0314	Operate life support systems	59
B0080	Troubleshoot VHF AM systems	58
A0011	Determine aircraft status	57
B0082	Operate VHF frequency modulation (FM) systems	57
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	57
C0328	Perform operational checkouts of aircraft mission systems after maintenance	56
B0079	Operate VHF AM systems	56
B0221	Troubleshoot cryptographic systems	56

\* Average Number of Tasks Performed - 116

TABLE 63

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 OVERSEAS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=49)
B0190	Operate cryptographic loading devices	90
A0028	Perform preflight inspections, other than life support inspections	90
B0050	Troubleshoot UHF SATCOM voice systems	90
B0044	Troubleshoot HF voice systems	90
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	90
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
C0325	Perform in-flight checklist procedures	84
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	82
B0043	Operate high-frequency (HF) voice systems	82
A0025	Participate in general or specialized mission briefings	82
A0036	Review emergency procedures	82
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
B0080	Troubleshoot VHF AM systems	80
A0039	Secure personal equipment on aircraft during preflight	80
A0026	Participate in premission briefings, other than conducting	78
B0079	Operate VHF AM systems	76
C0337	Practice or perform emergency procedures	73
A0038	Secure mission equipment on aircraft during preflight	73
B0191	Troubleshoot cryptographic loading devices	73
B0163	Operate wideband secure voice (WBSV) cryptographic systems	71
C0309	Maintain logs, such as in-flight or maintenance	71
B0040	Operate high-power transmitters	71
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	71
B0164	Troubleshoot WBSV cryptographic systems	71
B0071	Troubleshoot UHF AM voice systems	71
B0092	Troubleshoot Have Quick systems	71
A0031	Perform initialization of mission systems	69
A0035	Review aircrew currency requirements	69
B0070	Operate UHF amplitude modulation (AM) voice systems	67
A0022	Obtain classified materials or documents	67
B0041	Troubleshoot high-power transmitters	67
A0003	Assemble professional or personal flight gear	67
B0161	Troubleshoot NBSV cryptographic systems	67
A0001	Annotate mission planning forms	67
C0314	Operate life support systems	67
B0220	Operate cryptographic systems	65
A0024	Obtain and secure COMSEC material	65
B0154	Operate data encryption devices	65
D0377	Prepare personal clothing or equipment for deployment	65
B0091	Operate Have Quick systems	63
B0119	Troubleshoot TADILs	63

\* Average Number of Tasks Performed - 123

TABLE 64

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 CONUS AND OVERSEAS PERSONNEL

TASKS		AD 1A351 CONUS (N=177)	AD 1A351 OVERSEAS (N=49)	DIFFERENCE
B0119	Troubleshoot TADILs	33	63	-30
B0190	Operate cryptographic loading devices	62	90	-28
B0176	Troubleshoot ADF equipment	33	61	-28
B0175	Operate automatic direction finding (ADF) equipment	32	57	-26
B0163	Operate wideband secure voice (WBSV) cryptographic systems	47	71	-25
B0044	Troubleshoot HF voice systems	65	90	-25
B0164	Troubleshoot WBSV cryptographic systems	46	71	-25
B0092	Troubleshoot Have Quick systems	46	71	-25
B0050	Troubleshoot UHF SATCOM voice systems	66	90	-24
B0185	Troubleshoot aircraft ADSs, such as PA systems or interphones	40	63	-23
B0118	Operate tactical digital information links (TADILs)	33	55	-22
B0040	Operate high-power transmitters	51	71	-21
B0154	Operate data encryption devices	45	65	-21
B0080	Troubleshoot VHF AM systems	58	80	-21
B0291	Request, receive, or transmit flight-following information, air traffic control (ATC) reports, or weather reports	15	37	-21
B0161	Troubleshoot NBSV cryptographic systems	47	67	-20
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	43	63	-20
B0191	Troubleshoot cryptographic loading devices	53	73	-20
B0041	Troubleshoot high-power transmitters	47	67	-20
A0001	Annotate mission planning forms	47	67	-20

TABLE 65

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 CONUS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=66)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
A0011	Determine aircraft status	88
A0028	Perform preflight inspections, other than life support inspections	85
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	85
A0025	Participate in general or specialized mission briefings	83
A0031	Perform initialization of mission systems	82
A0036	Review emergency procedures	80
A0026	Participate in premission briefings, other than conducting	79
A0039	Secure personal equipment on aircraft during preflight	79
C0325	Perform in-flight checklist procedures	77
C0309	Maintain logs, such as in-flight or maintenance	77
C0313	Operate emergency equipment	77
A0038	Secure mission equipment on aircraft during preflight	76
A0037	Review or update isolated personnel report (ISOPREP) cards	73
D0358	Perform aircraft cocking or uncocking procedures	71
C0328	Perform operational checkouts of aircraft mission systems after maintenance	71
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	70
A0017	Identify mission software requirements	67
C0337	Practice or perform emergency procedures	65
B0247	Operate hard drive systems, including records management applications (RMAs)	64
E0430	Maintain aircrew currency requirements	64
A0003	Assemble professional or personal flight gear	64
C0317	Participate in postmission debriefings	62
B0188	Troubleshoot cooling systems	61
A0004	Conduct premission briefings, including certifications	59
B0282	Operate software	59
B0251	Troubleshoot radar systems	59
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	59
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	56
C0320	Perform crew coordination activities	55
A0001	Annotate mission planning forms	55
C0293	Analyze equipment for optimum mission configurations	55
C0314	Operate life support systems	55
B0250	Operate radar systems	53
B0248	Troubleshoot hard drive systems, including RMAs	53
B0253	Operate radar power distribution systems	53
B0262	Operate radar transmission systems	53
B0280	Operate oxygen systems	53
B0263	Troubleshoot radar transmission systems	53
B0256	Operate radar cooling systems	52
B0283	Troubleshoot software	52

\* Average Number of Tasks Performed - 88

TABLE 66

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 OVERSEAS PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=25)
A0028	Perform preflight inspections, other than life support inspections	92
A0011	Determine aircraft status	92
A0025	Participate in general or specialized mission briefings	92
A0001	Annotate mission planning forms	88
C0325	Perform in-flight checklist procedures	88
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	88
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
D0358	Perform aircraft cocking or uncocking procedures	88
A0031	Perform initialization of mission systems	84
C0309	Maintain logs, such as in-flight or maintenance	84
A0039	Secure personal equipment on aircraft during preflight	84
C0328	Perform operational checkouts of aircraft mission systems after maintenance	84
C0313	Operate emergency equipment	84
A0026	Participate in premission briefings, other than conducting	80
E0430	Maintain aircrew currency requirements	80
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	80
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
C0317	Participate in postmission debriefings	80
C0337	Practice or perform emergency procedures	80
G0490	File in-flight logs in aircraft history books	80
D0377	Prepare personal clothing or equipment for deployment	80
C0314	Operate life support systems	80
B0288	Remove or replace circuit card assemblies	80
C0293	Analyze equipment for optimum mission configurations	76
A0038	Secure mission equipment on aircraft during preflight	76
A0003	Assemble professional or personal flight gear	76
A0036	Review emergency procedures	72
B0280	Operate oxygen systems	72
D0357	Participate in predeployment mobility briefings	72
B0247	Operate hard drive systems, including records management applications (RMAs)	68
C0320	Perform crew coordination activities	68
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	68
G0501	Maintain personal aircrew flight manuals or checklists	68
C0303	Coordinate systems status with crew members	64
A0004	Conduct premission briefings, including certifications	64
C0302	Coordinate sensor settings with appropriate personnel	64
A0017	Identify mission software requirements	60
E0382	Adjust daily schedules to meet operational commitments	60
C0327	Perform in-flight instructor duties	60
A0035	Review aircrew currency requirements	60
B0248	Troubleshoot hard drive systems, including RMAs	60

\* Average Number of Tasks Performed - 121

TABLE 67

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A551 CONUS AND OVERSEAS PERSONNEL

TASKS		AD 1A551 CONUS (N=66)	AD 1A551 OVERSEAS (N=25)	DIFFERENCE
A0037	Review or update isolated personnel report (ISOPREP) cards	73	52	21
G0490	File in-flight logs in aircraft history books	33	80	-47
H0520	Identify and report equipment or supply problems	8	44	-36
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	8	44	-36
H0521	Initiate equipment maintenance actions with appropriate agencies	6	40	-34
A0001	Annotate mission planning forms	55	88	-33
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	26	56	-30
F0462	Conduct mission qualification training (MQT)	20	48	-28
D0377	Prepare personal clothing or equipment for deployment	52	80	-28
B0288	Remove or replace circuit card assemblies	53	80	-27
G0501	Maintain personal aircrew flight manuals or checklists	41	68	-27
B0148	Operate signal analysis equipment	5	32	-27
E0449	Write job or position descriptions	3	28	-25
G0510	Prepare travel expense documentation	11	36	-25
C0314	Operate life support systems	55	80	-25
E0382	Adjust daily schedules to meet operational commitments	36	60	-24
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	12	36	-24
A0029	Perform preflight life support inspections	33	56	-23
E0408	Draft supplements or changes to directives, such as policy directives, instructions, or manuals	9	32	-23
C0302	Coordinate sensor settings with appropriate personnel	41	64	-23
D0367	Perform standby alert procedures	41	64	-23
C0310	Monitor passengers	29	52	-23
B0193	Operate lighting systems	29	52	-23
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	17	40	-23
D0366	Perform first-aid lifesaving techniques	30	52	-22



TABLE 68

TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 CONUS AND AD DAFSC 1A551 OVERSEAS PERSONNEL

TASKS		AD 1A351 CONUS (N=177)	AD 1A551 OVERSEAS (N=25)	DIFFERENCE
B0050	Troubleshoot UHF SATCOM voice systems	66	4	62
B0044	Troubleshoot HF voice systems	65	4	61
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	63	4	59
B0043	Operate high-frequency (HF) voice systems	63	4	59
B0221	Troubleshoot cryptographic systems	56	0	56
B0083	Troubleshoot VHF FM systems	59	4	55
B0080	Troubleshoot VHF AM systems	58	4	54
B0190	Operate cryptographic loading devices	62	8	54
B0191	Troubleshoot cryptographic loading devices	53	0	53
B0082	Operate VHF frequency modulation (FM) systems	57	4	53
B0079	Operate VHF AM systems	56	4	52
B0220	Operate cryptographic systems	55	4	51
B0071	Troubleshoot UHF AM voice systems	54	4	50
C0302	Coordinate sensor settings with appropriate personnel	2	64	-62
G0490	File in-flight logs in aircraft history books	21	80	-59
D0358	Perform aircraft cocking or uncocking procedures	32	88	-56
B0268	Operate radar pulse reception systems	1	52	-51
B0247	Operate hard drive systems, including records management applications (RMAs)	17	68	-51
B0269	Troubleshoot radar pulse reception systems	2	52	-50
B0257	Troubleshoot radar cooling systems	3	52	-49
B0260	Troubleshoot radar computer components	0	48	-48
C0293	Analyze equipment for optimum mission configurations	29	76	-47
B0262	Operate radar transmission systems	1	48	-47
B0263	Troubleshoot radar transmission systems	1	48	-47
B0266	Troubleshoot radar Doppler reception systems	1	48	-47
B0265	Operate radar Doppler reception systems	1	48	-47

TABLE 69

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 OVERSEAS AND AD DAFSC 1A551 CONUS PERSONNEL

TASKS		AD 1A351 OVERSEAS (N=49)	AD 1A551 CONUS (N=66)	DIFFERENCE
B0050	Troubleshoot UHF SATCOM voice systems	90	0	90
B0044	Troubleshoot HF voice systems	90	0	90
B0190	Operate cryptographic loading devices	90	8	82
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	82	0	82
B0043	Operate high-frequency (HF) voice systems	82	0	82
B0080	Troubleshoot VHF AM systems	80	0	80
B0079	Operate VHF AM systems	76	0	76
B0191	Troubleshoot cryptographic loading devices	73	0	73
B0163	Operate wideband secure voice (WBSV) cryptographic systems	71	0	71
B0164	Troubleshoot WBSV cryptographic systems	71	0	71
B0071	Troubleshoot UHF AM voice systems	71	0	71
B0092	Troubleshoot Have Quick systems	71	0	71
B0161	Troubleshoot NBSV cryptographic systems	67	0	67
B0251	Troubleshoot radar systems	0	59	-59
B0263	Troubleshoot radar transmission systems	0	53	-53
B0253	Operate radar power distribution systems	0	53	-53
B0262	Operate radar transmission systems	0	53	-53
B0250	Operate radar systems	0	53	-53
B0247	Operate hard drive systems, including records management applications (RMAs)	10	64	-53
B0257	Troubleshoot radar cooling systems	0	52	-52
B0254	Troubleshoot radar power distribution systems	0	52	-52
B0256	Operate radar cooling systems	0	52	-52
A0017	Identify mission software requirements	18	67	-48
B0260	Troubleshoot radar computer components	0	48	-48
B0259	Operate radar computer components	0	47	-47
B0252	Repair radar systems	0	47	-47
B0265	Operate radar Doppler reception systems	0	45	-45
B0266	Troubleshoot radar Doppler reception systems	0	45	-45

TABLE 70

TIME SPENT ON DUTIES BY DAFSC 1A3X1 AND DAFSC 1A5X1 MAJCOM PERSONNEL  
(PERCENT RESPONDING)

DUTIES	1A3X1 AETC (N=11)	1A5X1 AETC (N=3)	1A3X1 ACC (N=233)	1A5X1 ACC (N=127)	1A3X1 PACAF (N=18)	1A5X1 PACAF (N=23)	1A3X1 EUR (N=19)	1A5X1 EUR (N=21)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	9	0	19	22	20	21	18	16
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	17	2	42	38	45	35	42	32
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	9	0	13	15	11	15	13	16
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	2	0	6	6	5	7	6	4
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	24	23	9	8	8	11	11	12
F PERFORMING TRAINING ACTIVITIES	28	53	5	6	4	5	4	9
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	9	21	5	4	6	4	5	9
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	1	1	1	1	2	1	2

TABLE 71

## TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 AETC AND DAFSC 1A5X1 AETC PERSONNEL

TASKS		1A3X1 AETC (N=11)	1A5X1 AETC (N=3)	DIFFERENCE
C0337	Practice or perform emergency procedures	64	0	64
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	64	0	64
G0493	Initiate requests for TDY orders	64	0	64
C0320	Perform crew coordination activities	64	0	64
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	64	0	64
B0214	Operate identification friend or foe (IFF) systems	64	0	64
F0464	Counsel trainees on training progress	91	33	58
A0003	Assemble professional or personal flight gear	55	0	55
C0327	Perform in-flight instructor duties	55	0	55
B0202	Operate tactical air navigation (TACAN) systems	55	0	55
A0011	Determine aircraft status	55	0	55
A0036	Review emergency procedures	55	0	55
C0325	Perform in-flight checklist procedures	55	0	55
F0462	Conduct mission qualification training (MQT)	55	0	55
B0079	Operate VHF AM systems	55	0	55
B0044	Troubleshoot HF voice systems	55	0	55
G0488	Establish or maintain TO management system accounts	27	67	-39
E0395	Counsel subordinates concerning personal matters	64	100	-36
H0529	Prepare acceptance documentation for newly installed equipment	0	33	-33
F0477	Monitor contract training compliance	36	67	-30
G0504	Maintain TO libraries or files	36	67	-30
E0400	Develop organizational or functional charts	9	33	-24
H0528	Pick up, deliver, or store equipment, tools, parts, or supplies, other than life support equipment	9	33	-24
B0106	Operate facsimile (fax) systems	9	33	-24
E0404	Develop or establish work methods or procedures	45	67	-21
E0405	Develop or establish work schedules	45	67	-21

TABLE 72

## TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 ACC AND DAFSC 1A5X1 ACC PERSONNEL

TASKS		1A3X1 ACC (N=233)	1A5X1 ACC (N=127)	DIFFERENCE
B0043	Operate high-frequency (HF) voice systems	66	2	63
B0050	Troubleshoot UHF SATCOM voice systems	65	2	63
B0044	Troubleshoot HF voice systems	65	2	63
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	65	2	62
B0082	Operate VHF frequency modulation (FM) systems	61	2	59
B0079	Operate VHF AM systems	60	1	59
B0083	Troubleshoot VHF FM systems	59	1	58
B0190	Operate cryptographic loading devices	66	9	57
B0080	Troubleshoot VHF AM systems	58	2	56
A0024	Obtain and secure COMSEC material	62	8	54
B0191	Troubleshoot cryptographic loading devices	54	0	54
B0161	Troubleshoot NBSV cryptographic systems	55	1	54
B0163	Operate wideband secure voice (WBSV) cryptographic systems	55	1	54
B0247	Operate hard drive systems, including records management applications (RMAs)	15	76	-61
B0251	Troubleshoot radar systems	3	60	-56
B0250	Operate radar systems	3	54	-52
B0263	Troubleshoot radar transmission systems	1	54	-52
B0262	Operate radar transmission systems	1	54	-52
B0254	Troubleshoot radar power distribution systems	2	53	-51
B0253	Operate radar power distribution systems	2	54	-51
B0265	Operate radar Doppler reception systems	0	50	-50
B0259	Operate radar computer components	1	51	-50
B0260	Troubleshoot radar computer components	1	51	-50
B0266	Troubleshoot radar Doppler reception systems	0	49	-49
B0248	Troubleshoot hard drive systems, including RMAs	15	65	-49
B0257	Troubleshoot radar cooling systems	3	52	-49
B0256	Operate radar cooling systems	3	52	-49

TABLE 73

## TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 PACAF AND DAFSC 1A5X1 PACAF PERSONNEL

TASKS		1A3X1 PACAF (N=18)	1A5X1 PACAF (N=23)	DIFFERENCE
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	100	0	100
B0050	Troubleshoot UHF SATCOM voice systems	100	0	100
B0043	Operate high-frequency (HF) voice systems	100	0	100
B0044	Troubleshoot HF voice systems	100	0	100
B0163	Operate wideband secure voice (WBSV) cryptographic systems	94	0	94
B0164	Troubleshoot WBSV cryptographic systems	94	0	94
B0190	Operate cryptographic loading devices	100	9	91
B0191	Troubleshoot cryptographic loading devices	89	0	89
B0070	Operate UHF amplitude modulation (AM) voice systems	89	0	89
B0080	Troubleshoot VHF AM systems	89	0	89
A0013	Determine mission communications requirements	83	0	83
B0161	Troubleshoot NBSV cryptographic systems	83	0	83
B0071	Troubleshoot UHF AM voice systems	83	0	83
B0082	Operate VHF frequency modulation (FM) systems	83	0	83
B0247	Operate hard drive systems, including records management applications (RMAs)	0	65	-65
B0248	Troubleshoot hard drive systems, including RMAs	6	65	-60
B0282	Operate software	0	57	-57
B0251	Troubleshoot radar systems	0	52	-52
B0283	Troubleshoot software	6	57	-51
C0330	Perform operational tests of program software after modifications	6	57	-51
B0288	Remove or replace circuit card assemblies	17	65	-49
B0144	Repair computer systems	0	48	-48
B0242	Troubleshoot data display systems	0	48	-48
B0243	Repair data display systems	0	48	-48
C0316	Operate or monitor System M	0	48	-48
B0239	Troubleshoot sensor systems	0	48	-48
B0146	Troubleshoot recording systems	0	48	-48
B0145	Operate recording systems	0	48	-48

TABLE 74

## TASKS THAT BEST DIFFERENTIATE BETWEEN DAFSC 1A3X1 EUR AND DAFSC 1A5X1 EUR PERSONNEL

TASKS		1A3X1 EUR (N=19)	1A5X1 EUR (N=21)	DIFFERENCE
B0092	Troubleshoot Have Quick systems	100	0	100
B0163	Operate wideband secure voice (WBSV) cryptographic systems	95	0	95
A0006	Coordinate data links with other link players or appropriate link authorization agencies	95	0	95
B0164	Troubleshoot WBSV cryptographic systems	95	0	95
B0044	Troubleshoot HF voice systems	95	0	95
B0043	Operate high-frequency (HF) voice systems	95	5	90
B0091	Operate Have Quick systems	95	5	90
B0190	Operate cryptographic loading devices	95	5	90
B0101	Troubleshoot HF data systems	89	5	85
C0319	Perform authentication procedures	89	5	85
B0100	Operate HF data systems	89	5	85
B0161	Troubleshoot NBSV cryptographic systems	84	0	84
B0160	Operate narrowband secure voice (NBSV) cryptographic systems	84	0	84
B0185	Troubleshoot aircraft ADSs, such as PA systems or interphones	79	0	79
B0145	Operate recording systems	0	86	-86
B0146	Troubleshoot recording systems	0	81	-81
B0143	Troubleshoot computer systems	5	86	-80
A0017	Identify mission software requirements	5	81	-76
B0282	Operate software	5	81	-76
B0247	Operate hard drive systems, including records management applications (RMAs)	0	76	-76
B0283	Troubleshoot software	0	76	-76
B0248	Troubleshoot hard drive systems, including RMAs	0	76	-76
B0144	Repair computer systems	0	76	-76
B0147	Repair recording systems	0	71	-71
B0242	Troubleshoot data display systems	11	81	-70
B0142	Operate computer systems	21	86	-65
G0513	Review TO changes	16	81	-65
C0307	Initiate software deficiency reports (SDRs)	0	62	-62
C0292	Alter software program parameters using patches or by manually manipulating code	0	62	-62

TABLE 75

TIME SPENT ON DUTIES BY AD MEMBERS OF DAFSC 1A3X1 AND DAFSC 1A5X1 SKILL-LEVEL GROUPS  
(PERCENT RESPONDING)

DUTIES	AD 1A331 (N=37)	AD 1A351 (N=226)	AD 1A371 (N=148)	AD 1A391 (N=7)	AD 1A300 (N=6)	AD 1A531 (N=31)	AD 1A551 (N=91)	AD 1A571 (N=49)	AD 1A591 (N=1)	AD 1A500 (N=3)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	23	18	16	13	15	27	22	15	17	13
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	46	45	38	29	20	42	37	33	28	24
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	13	12	12	13	13	16	15	15	19	14
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	8	6	4	4	4	7	5	5	6	7
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3	7	14	27	32	3	8	14	22	29
F PERFORMING TRAINING ACTIVITIES	1	5	7	4	6	1	7	10	2	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	5	5	7	8	8	3	5	7	6	6
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	2	2	2	2	1	1	1	0	1



TABLE 76

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A331 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=37)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	95
C0325	Perform in-flight checklist procedures	86
A0036	Review emergency procedures	78
A0028	Perform preflight inspections, other than life support inspections	76
A0003	Assemble professional or personal flight gear	73
A0024	Obtain and secure COMSEC material	70
C0309	Maintain logs, such as in-flight or maintenance	70
A0031	Perform initialization of mission systems	70
A0026	Participate in premission briefings, other than conducting	70
B0190	Operate cryptographic loading devices	68
A0022	Obtain classified materials or documents	68
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	68
B0043	Operate high-frequency (HF) voice systems	68
B0244	Operate built-in test equipment (BITE)	68
A0039	Secure personal equipment on aircraft during preflight	68
C0313	Operate emergency equipment	68
A0025	Participate in general or specialized mission briefings	65
C0337	Practice or perform emergency procedures	65
B0079	Operate VHF AM systems	62
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	62
B0163	Operate wideband secure voice (WBSV) cryptographic systems	62
B0082	Operate VHF frequency modulation (FM) systems	62
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	59
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	57
B0050	Troubleshoot UHF SATCOM voice systems	57
B0100	Operate HF data systems	57
A0006	Coordinate data links with other link players or appropriate link authorization agencies	57
B0044	Troubleshoot HF voice systems	57
C0321	Perform emergency destruct procedures	57
D0367	Perform standby alert procedures	54
B0220	Operate cryptographic systems	54
B0091	Operate Have Quick systems	54
B0040	Operate high-power transmitters	54
B0103	Operate UHF SATCOM data systems	54
B0160	Operate narrowband secure voice (NBSV) cryptographic systems	54
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	54
B0080	Troubleshoot VHF AM systems	54
C0303	Coordinate systems status with crew members	51

\* Average Number of Tasks Performed - 93

TABLE 77

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A531 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=31)
A0031	Perform initialization of mission systems	94
A0028	Perform preflight inspections, other than life support inspections	94
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	90
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	87
A0011	Determine aircraft status	87
A0039	Secure personal equipment on aircraft during preflight	87
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	84
A0025	Participate in general or specialized mission briefings	84
A0038	Secure mission equipment on aircraft during preflight	84
C0325	Perform in-flight checklist procedures	77
B0247	Operate hard drive systems, including records management applications (RMAs)	77
A0037	Review or update isolated personnel report (ISOPREP) cards	77
A0036	Review emergency procedures	74
A0003	Assemble professional or personal flight gear	74
D0358	Perform aircraft cocking or uncocking procedures	71
B0215	Troubleshoot IFF systems	68
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	65
C0321	Perform emergency destruct procedures	65
B0145	Operate recording systems	61
A0026	Participate in premission briefings, other than conducting	61
B0248	Troubleshoot hard drive systems, including RMAs	61
C0320	Perform crew coordination activities	61
C0337	Practice or perform emergency procedures	61
C0313	Operate emergency equipment	61
B0146	Troubleshoot recording systems	58
A0035	Review aircrew currency requirements	58
A0017	Identify mission software requirements	58
B0217	Operate test equipment	58
C0309	Maintain logs, such as in-flight or maintenance	58
C0328	Perform operational checkouts of aircraft mission systems after maintenance	58
C0317	Participate in postmission debriefings	58
A0004	Conduct premission briefings, including certifications	55
B0218	Troubleshoot test equipment	55
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	55
B0143	Troubleshoot computer systems	52
B0282	Operate software	52
E0430	Maintain aircrew currency requirements	52
B0251	Troubleshoot radar systems	52
B0239	Troubleshoot sensor systems	52
B0241	Operate data display systems	48
B0144	Repair computer systems	48

\* Average Number of Tasks Performed - 72

TABLE 78

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A331 AND AD DAFSC 1A531 PERSONNEL

TASKS		AD 1A331 (N=37)	AD 1A531 (N=31)	DIFFERENCE
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	68	0	68
B0043	Operate high-frequency (HF) voice systems	68	0	68
A0024	Obtain and secure COMSEC material	70	6	64
B0082	Operate VHF frequency modulation (FM) systems	62	0	62
B0079	Operate VHF AM systems	62	0	62
B0163	Operate wideband secure voice (WBSV) cryptographic systems	62	0	62
B0190	Operate cryptographic loading devices	68	6	61
B0100	Operate HF data systems	57	0	57
B0050	Troubleshoot UHF SATCOM voice systems	57	0	57
B0044	Troubleshoot HF voice systems	57	0	57
A0006	Coordinate data links with other link players or appropriate link authorization agencies	57	0	57
B0103	Operate UHF SATCOM data systems	54	0	54
B0091	Operate Have Quick systems	54	0	54
B0247	Operate hard drive systems, including records management applications (RMAs)	24	77	-53
B0251	Troubleshoot radar systems	0	52	-52
B0215	Troubleshoot IFF systems	19	68	-49
B0145	Operate recording systems	16	61	-45
B0239	Troubleshoot sensor systems	8	52	-44
B0146	Troubleshoot recording systems	16	58	-42
B0263	Troubleshoot radar transmission systems	0	42	-42
B0250	Operate radar systems	0	42	-42
B0266	Troubleshoot radar Doppler reception systems	0	42	-42
B0248	Troubleshoot hard drive systems, including RMAs	19	61	-42
A0011	Determine aircraft status	46	87	-41
C0316	Operate or monitor System M	5	45	-40
B0238	Operate sensor systems	8	48	-40
B0257	Troubleshoot radar cooling systems	0	39	-39

TABLE 79

## TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A331 AND AD DAFSC 1A531 PERSONNEL

TASKS		AD 1A331 (N=37)	AD 1A531 (N=31)	DIFFERENCE
C0301	Coordinate phone patches or intercommunications with appropriate personnel	49	48	1
A0029	Perform preflight life support inspections	46	45	1
B0245	Troubleshoot BITE	32	31	1
G0491	Identify and report suspected security compromises	14	13	1
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	11	10	1
H0521	Initiate equipment maintenance actions with appropriate agencies	11	10	1
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	11	10	1
B0228	Repair alternate mission equipment	11	10	1
H0520	Identify and report equipment or supply problems	11	10	1
F0464	Counsel trainees on training progress	11	10	1
C0306	Implement interference countermeasures	8	6	2
B0284	Repair software	8	6	2
F0460	Conduct ground training	8	6	2
E0421	Implement safety or security programs	2	3	-1
E0397	Determine or establish work assignments or priorities	2	3	-1
E0386	Assign sponsors for newly assigned personnel	2	3	-1
B0276	Repair environmental systems	2	3	-1
G0496	Maintain administrative files	2	3	-1
E0449	Write job or position descriptions	5	6	-1
E0383	Analyze technical reports	5	6	-1
C0342	Supervise cargo loading	5	6	-1
D0376	Prepare mobility kits	5	6	-1
G0501	Maintain personal aircrew flight manuals or checklists	22	23	-1
B0142	Operate computer systems	41	42	-1
A0003	Assemble professional or personal flight gear	73	74	-1
E0405	Develop or establish work schedules	8	10	-2
C0341	Static ground aircraft	8	10	-2

TABLE 80

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=226)
A0030 Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	83
A0039 Secure personal equipment on aircraft during preflight	83
C0325 Perform in-flight checklist procedures	82
A0028 Perform preflight inspections, other than life support inspections	81
A0018 Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	78
A0036 Review emergency procedures	78
A0025 Participate in general or specialized mission briefings	76
A0026 Participate in premission briefings, other than conducting	74
A0038 Secure mission equipment on aircraft during preflight	72
B0050 Troubleshoot UHF SATCOM voice systems	71
C0337 Practice or perform emergency procedures	70
B0044 Troubleshoot HF voice systems	70
A0014 Determine and perform alternate procedures or work-arounds for malfunctioning equipment	69
A0022 Obtain classified materials or documents	69
B0190 Operate cryptographic loading devices	68
A0003 Assemble professional or personal flight gear	68
A0031 Perform initialization of mission systems	67
B0049 Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	67
B0043 Operate high-frequency (HF) voice systems	67
C0313 Operate emergency equipment	67
C0309 Maintain logs, such as in-flight or maintenance	66
A0021 Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	64
C0320 Perform crew coordination activities	63
B0080 Troubleshoot VHF AM systems	63
E0430 Maintain aircrew currency requirements	62
A0024 Obtain and secure COMSEC material	62
A0037 Review or update isolated personnel report (ISOPREP) cards	62
C0314 Operate life support systems	61
C0321 Perform emergency destruct procedures	61
B0083 Troubleshoot VHF FM systems	60
D0377 Prepare personal clothing or equipment for deployment	60
B0079 Operate VHF AM systems	60
A0011 Determine aircraft status	58
B0220 Operate cryptographic systems	58
B0071 Troubleshoot UHF AM voice systems	58
B0191 Troubleshoot cryptographic loading devices	58
B0082 Operate VHF frequency modulation (FM) systems	58
D0351 Fire weapons, such as 9mm handguns or M-16 rifles	58
A0035 Review aircrew currency requirements	57

\* Average Number of Tasks Performed - 118

TABLE 81

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A551 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=91)
A0011	Determine aircraft status	89
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
A0028	Perform preflight inspections, other than life support inspections	87
A0025	Participate in general or specialized mission briefings	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
A0031	Perform initialization of mission systems	82
C0325	Perform in-flight checklist procedures	80
A0039	Secure personal equipment on aircraft during preflight	80
A0026	Participate in premission briefings, other than conducting	79
C0309	Maintain logs, such as in-flight or maintenance	79
C0313	Operate emergency equipment	79
A0036	Review emergency procedures	78
A0038	Secure mission equipment on aircraft during preflight	76
D0358	Perform aircraft cocking or uncocking procedures	76
C0328	Perform operational checkouts of aircraft mission systems after maintenance	75
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	73
C0337	Practice or perform emergency procedures	69
E0430	Maintain aircrew currency requirements	68
C0317	Participate in postmission debriefings	67
A0003	Assemble professional or personal flight gear	67
A0037	Review or update isolated personnel report (ISOPREP) cards	67
B0247	Operate hard drive systems, including records management applications (RMAs)	65
A0017	Identify mission software requirements	65
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	65
A0001	Annotate mission planning forms	64
B0188	Troubleshoot cooling systems	62
C0314	Operate life support systems	62
A0004	Conduct premission briefings, including certifications	60
C0293	Analyze equipment for optimum mission configurations	60
B0288	Remove or replace circuit card assemblies	60
D0377	Prepare personal clothing or equipment for deployment	59
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	59
B0282	Operate software	58
C0320	Perform crew coordination activities	58
B0280	Operate oxygen systems	58
C0303	Coordinate systems status with crew members	57
B0251	Troubleshoot radar systems	56
B0248	Troubleshoot hard drive systems, including RMAs	55
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	55
B0283	Troubleshoot software	53

\* Average Number of Tasks Performed - 97

TABLE 82

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351 AND AD DAFSC 1A551 PERSONNEL

TASKS		AD 1A351 (N=226)	AD 1A551 (N=91)	DIFFERENCE
B0050	Troubleshoot UHF SATCOM voice systems	71	1	70
B0044	Troubleshoot HF voice systems	70	1	69
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	67	1	66
B0043	Operate high-frequency (HF) voice systems	67	1	66
B0080	Troubleshoot VHF AM systems	63	1	62
B0190	Operate cryptographic loading devices	68	8	60
B0079	Operate VHF AM systems	60	1	59
B0083	Troubleshoot VHF FM systems	60	1	59
B0191	Troubleshoot cryptographic loading devices	58	0	58
B0221	Troubleshoot cryptographic systems	57	0	57
B0082	Operate VHF frequency modulation (FM) systems	58	1	57
B0071	Troubleshoot UHF AM voice systems	58	1	56
B0220	Operate cryptographic systems	58	2	56
B0070	Operate UHF amplitude modulation (AM) voice systems	56	1	55
A0024	Obtain and secure COMSEC material	62	11	51
B0251	Troubleshoot radar systems	3	56	-53
B0263	Troubleshoot radar transmission systems	0	52	-52
B0262	Operate radar transmission systems	0	52	-52
B0253	Operate radar power distribution systems	1	52	-51
B0256	Operate radar cooling systems	2	51	-49
B0247	Operate hard drive systems, including records management applications (RMAs)	16	65	-49
B0257	Troubleshoot radar cooling systems	1	52	-49
B0254	Troubleshoot radar power distribution systems	1	49	-48
B0250	Operate radar systems	1	51	-48
B0260	Troubleshoot radar computer components	0	48	-48
B0259	Operate radar computer components	0	47	-47
B0265	Operate radar Doppler reception systems	0	46	-46
B0266	Troubleshoot radar Doppler reception systems	0	46	-46

TABLE 83

## TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A351 AND AD DAFSC 1A551 PERSONNEL

TASKS		AD 1A351 (N=226)	AD 1A551 (N=91)	DIFFERENCE
G0500	Maintain operational forms	17	16	1
E0421	Implement safety or security programs	11	10	1
E0436	Perform enlisted aircrew coordinator (EAC) duties	6	5	1
E0451	Write replies to inspection reports	6	5	1
C0337	Practice or perform emergency procedures	70	69	1
C0324	Perform ground controller activities	2	1	1
B0059	Troubleshoot SARSs	2	1	1
B0123	Repair SCDLs	2	1	1
A0003	Assemble professional or personal flight gear	68	67	1
D0368	Practice alert force or alert reaction exercises	27	26	1
C0305	Deploy survival gear, such as MA-1 kits	20	19	1
D0369	Practice demolition or destruction techniques	18	17	1
D0353	Maintain mobility kits	16	15	1
D0378	Prepare required shipping or reshipment documents or forms for mobility equipment	5	4	1
H0519	Draft recommendations for changes in equipment	10	11	-1
E0401	Develop resource protection programs	1	2	-1
D0375	Prepare mobility containers or pallets for air shipment	1	2	-1
F0455	Administer or score tests	20	21	-1
G0501	Maintain personal aircrew flight manuals or checklists	47	48	-1
D0370	Practice distant recognition codes	7	8	-1
E0446	Review mobility, contingency, disaster preparedness, or unit emergency or alert plans	7	8	-1
A0036	Review emergency procedures	77	78	-1
E0444	Review budget requirements	2	3	-1
E0398	Determine or evaluate causes of mission operational discrepancies	14	15	-1
E0389	Conduct safety inspections of equipment or facilities	12	13	-1
B0066	Repair TARSSs	*	1	*
B0062	Troubleshoot LARSs	*	1	*
A0033	Prepare combat mission folders (CMFs)	*	1	*
B0061	Operate locator acquisition recovery systems (LARSs)	*	1	*

\* Indicates less than 1%



TABLE 84

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A371 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=148)
A0030 Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	96
A0036 Review emergency procedures	91
C0325 Perform in-flight checklist procedures	86
A0039 Secure personal equipment on aircraft during preflight	86
A0018 Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
A0025 Participate in general or specialized mission briefings	85
A0028 Perform preflight inspections, other than life support inspections	84
A0026 Participate in premission briefings, other than conducting	84
C0320 Perform crew coordination activities	84
A0022 Obtain classified materials or documents	82
C0337 Practice or perform emergency procedures	82
A0031 Perform initialization of mission systems	81
E0430 Maintain aircrew currency requirements	80
A0014 Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
C0309 Maintain logs, such as in-flight or maintenance	79
C0328 Perform operational checkouts of aircraft mission systems after maintenance	78
B0050 Troubleshoot UHF SATCOM voice systems	78
C0313 Operate emergency equipment	78
A0003 Assemble professional or personal flight gear	77
B0049 Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	76
B0190 Operate cryptographic loading devices	76
A0021 Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	76
A0035 Review aircrew currency requirements	76
B0044 Troubleshoot HF voice systems	76
C0321 Perform emergency destruct procedures	76
B0043 Operate high-frequency (HF) voice systems	75
A0038 Secure mission equipment on aircraft during preflight	75
E0382 Adjust daily schedules to meet operational commitments	72
A0024 Obtain and secure COMSEC material	72
C0331 Perform postflight inspections	72
A0011 Determine aircraft status	72
G0487 Destroy COMSEC or classified materials or documents	70
A0037 Review or update isolated personnel report (ISOPREP) cards	70
C0329 Perform operational checkouts of aircraft mission systems after modifications	69
C0317 Participate in postmission debriefings	68
G0482 Annotate cabinet, safe, or room security forms	68
C0314 Operate life support systems	68
G0501 Maintain personal aircrew flight manuals or checklists	67
C0327 Perform in-flight instructor duties	66
B0070 Operate UHF amplitude modulation (AM) voice systems	66

\* Average Number of Tasks Performed - 158

TABLE 85

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A571 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=49)
A0028	Perform preflight inspections, other than life support inspections	98
A0026	Participate in premission briefings, other than conducting	98
A0003	Assemble professional or personal flight gear	98
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	96
A0011	Determine aircraft status	96
C0309	Maintain logs, such as in-flight or maintenance	94
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	94
A0039	Secure personal equipment on aircraft during preflight	94
A0025	Participate in general or specialized mission briefings	92
C0325	Perform in-flight checklist procedures	92
C0337	Practice or perform emergency procedures	92
C0313	Operate emergency equipment	92
A0031	Perform initialization of mission systems	90
C0328	Perform operational checkouts of aircraft mission systems after maintenance	90
B0282	Operate software	88
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	88
D0358	Perform aircraft cocking or uncocking procedures	88
A0038	Secure mission equipment on aircraft during preflight	88
B0247	Operate hard drive systems, including records management applications (RMAs)	86
A0036	Review emergency procedures	86
E0430	Maintain aircrew currency requirements	84
C0327	Perform in-flight instructor duties	84
B0248	Troubleshoot hard drive systems, including RMAs	84
D0377	Prepare personal clothing or equipment for deployment	84
F0464	Counsel trainees on training progress	82
B0283	Troubleshoot software	82
C0320	Perform crew coordination activities	80
B0143	Troubleshoot computer systems	80
F0463	Conduct on-the-job training (OJT)	80
A0017	Identify mission software requirements	80
B0188	Troubleshoot cooling systems	80
B0288	Remove or replace circuit card assemblies	80
B0145	Operate recording systems	78
G0501	Maintain personal aircrew flight manuals or checklists	78
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	78
F0458	Conduct continuation training (CT)	78
B0280	Operate oxygen systems	78
G0490	File in-flight logs in aircraft history books	78
A0009	Coordinate mission software requirements with appropriate agencies	78
C0329	Perform operational checkouts of aircraft mission systems after modifications	78
G0514	Review TOs for in-flight procedures	76
E0395	Counsel subordinates concerning personal matters	76

\* Average Number of Tasks Performed - 151

TABLE 86

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A371 AND AD DAFSC 1A571 PERSONNEL

TASKS		AD 1A371 (N=148)	AD 1A571 (N=49)	DIFFERENCE
B0044	Troubleshoot HF voice systems	76	2	74
B0050	Troubleshoot UHF SATCOM voice systems	78	4	74
B0049	Operate UHF satellite communications (SATCOM) voice systems	76	8	68
B0043	Operate high-frequency (HF) voice systems	75	8	67
B0083	Troubleshoot VHF FM systems	64	0	64
B0070	Operate UHF amplitude modulation (AM) voice systems	66	2	64
B0190	Operate cryptographic loading devices	76	12	63
A0013	Determine mission communications requirements	65	2	63
B0221	Troubleshoot cryptographic systems	64	2	62
B0071	Troubleshoot UHF AM voice systems	64	2	62
B0079	Operate VHF AM systems	64	2	62
A0024	Obtain and secure COMSEC material	72	10	62
B0080	Troubleshoot VHF AM systems	62	2	60
B0164	Troubleshoot WBSV cryptographic systems	59	0	59
B0247	Operate hard drive systems, including records	24	86	-62
B0248	Troubleshoot hard drive systems, including RMAs	24	84	-60
B0251	Troubleshoot radar systems	4	61	-57
B0259	Operate radar computer components	3	57	-54
D0358	Perform aircraft cocking or uncocking procedures	34	88	-54
B0250	Operate radar systems	4	57	-53
B0260	Troubleshoot radar computer components	3	55	-52
C0302	Coordinate sensor settings with appropriate personnel	5	57	-52
B0262	Operate radar transmission systems	3	55	-52
B0252	Repair radar systems	3	55	-52
B0265	Operate radar Doppler reception systems	2	53	-51
B0271	Operate radar man-machine interface (MMI) systems	4	55	-51
B0266	Troubleshoot radar Doppler reception systems	1	51	-50

TABLE 87

## TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A371 AND AD DAFSC 1A571 PERSONNEL

TASKS		AD 1A371 (N=148)	AD 1A571 (N=49)	DIFFERENCE
A0033	Prepare combat mission folders (CMFs)	3	2	1
E0401	Develop resource protection programs	5	4	1
C0311	Monitor and deploy aircraft defensive systems	7	6	1
C0295	Clean exterior of aircraft	11	10	1
G0509	Prepare flight publications kits	14	13	1
B0131	Troubleshoot data switches or hubs	26	25	1
G0485	Compile data for records, reports, logs, or trend analyses	30	29	1
A0029	Perform preflight life support inspections	56	55	1
C0314	Operate life support systems	68	67	1
E0382	Adjust daily schedules to meet operational commitments	72	71	1
B0063	Repair LARSs	1	0	1
G0500	Maintain operational forms	31	31	0
G0508	Prepare crew travel vouchers	41	41	0
B0244	Operate built-in test equipment (BITE)	57	57	0
H0521	Initiate equipment maintenance actions with appropriate agencies	28	29	-1
E0409	Establish organizational policies, such as OIs or standard operating procedures (SOPs)	42	43	-1
C0317	Participate in postmission debriefings	68	69	-1
E0384	Annotate time and attendance sheets for civilian employees	1	2	-1
D0364	Perform cover and concealment techniques for work party security	3	4	-1
H0526	Maintain organizational equipment or supply records	5	6	-1
D0373	Prepare evasive plans of action (EPAs)	13	14	-1
B0195	Repair lighting systems	19	20	-1
A0032	Prepare combat mission egress charts	4	4	0
E0444	Review budget requirements	10	10	0
E0416	Evaluate maintenance or utilization of equipment, tools, parts, supplies, or workspace	18	18	0
B0246	Repair BITE	28	28	0
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	30	30	0
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	32	32	0

TABLE 88

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A391 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=7)
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	86
C0325	Perform in-flight checklist procedures	86
E0430	Maintain aircrew currency requirements	86
A0028	Perform preflight inspections, other than life support inspections	86
A0031	Perform initialization of mission systems	86
A0022	Obtain classified materials or documents	86
A0025	Participate in general or specialized mission briefings	86
A0003	Assemble professional or personal flight gear	86
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	86
A0024	Obtain and secure COMSEC material	86
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	86
C0329	Perform operational checkouts of aircraft mission systems after modifications	71
G0482	Annotate cabinet, safe, or room security forms	71
E0397	Determine or establish work assignments or priorities	71
E0450	Write recommendations for awards or decorations	71
C0317	Participate in postmission debriefings	71
A0026	Participate in premission briefings, other than conducting	71
C0309	Maintain logs, such as in-flight or maintenance	71
C0320	Perform crew coordination activities	71
B0043	Operate high-frequency (HF) voice systems	71
B0070	Operate UHF amplitude modulation (AM) voice systems	71
B0154	Operate data encryption devices	71
C0301	Coordinate phone patches or intercommunications with appropriate personnel	71
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	71
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	71
A0038	Secure mission equipment on aircraft during preflight	71
C0328	Perform operational checkouts of aircraft mission systems after maintenance	71
A0006	Coordinate data links with other link players or appropriate link authorization agencies	71
B0190	Operate cryptographic loading devices	71
B0044	Troubleshoot HF voice systems	71
A0013	Determine mission communications requirements	71
G0487	Destroy COMSEC or classified materials or documents	71
B0050	Troubleshoot UHF SATCOM voice systems	71
C0337	Practice or perform emergency procedures	71
D0377	Prepare personal clothing or equipment for deployment	71
B0071	Troubleshoot UHF AM voice systems	71
E0433	Manage or coordinate upgrades to communications systems equipment with appropriate agencies	57
E0449	Write job or position descriptions	57

\* Average Number of Tasks Performed - 122

TABLE 89

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A591 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=1)
E0450	Write recommendations for awards or decorations	100
E0430	Maintain aircrew currency requirements	100
C0325	Perform in-flight checklist procedures	100
E0454	Write or indorse military enlisted performance reports (EPRs)	100
E0382	Adjust daily schedules to meet operational commitments	100
B0147	Repair recording systems	100
B0145	Operate recording systems	100
C0327	Perform in-flight instructor duties	100
C0337	Practice or perform emergency procedures	100
C0332	Perform supplemental inspections, such as acceptance, calendar, or time replacement item	100
C0331	Perform postflight inspections	100
B0146	Troubleshoot recording systems	100
B0143	Troubleshoot computer systems	100
B0142	Operate computer systems	100
G0515	Write minutes of briefings, conferences, or meetings	100
B0247	Operate hard drive systems, including records management applications (RMAs)	100
D0358	Perform aircraft cocking or uncocking procedures	100
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	100
D0377	Prepare personal clothing or equipment for deployment	100
A0004	Conduct premission briefings, including certifications	100
B0249	Repair hard drive systems, including RMAs	100
B0248	Troubleshoot hard drive systems, including RMAs	100
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	100
A0026	Participate in premission briefings, other than conducting	100
A0031	Perform initialization of mission systems	100
A0028	Perform preflight inspections, other than life support inspections	100

\* Average Number of Tasks Performed - 53

TABLE 90

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A391 AND AD DAFSC 1A591 PERSONNEL

TASKS		AD 1A391 (N=7)	AD 1A591 (N=1)	DIFFERENCE
A0025	Participate in general or specialized mission briefings	86	0	86
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	86	0	86
C0313	Operate emergency equipment	86	0	86
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	86	0	86
A0024	Obtain and secure COMSEC material	86	0	86
B0043	Operate high-frequency (HF) voice systems	71	0	71
B0071	Troubleshoot UHF AM voice systems	71	0	71
B0050	Troubleshoot UHF SATCOM voice systems	71	0	71
C0309	Maintain logs, such as in-flight or maintenance	71	0	71
B0154	Operate data encryption devices	71	0	71
G0487	Destroy COMSEC or classified materials or documents	71	0	71
B0044	Troubleshoot HF voice systems	71	0	71
E0425	Inspect facilities	0	100	-100
B0249	Repair hard drive systems, including RMAs	0	100	-100
F0469	Develop written tests	0	100	-100
A0009	Coordinate mission software requirements with appropriate agencies	0	100	-100
B0188	Troubleshoot cooling systems	0	100	-100
B0125	Troubleshoot JTIDSs	0	100	-100
C0332	Perform supplemental inspections, such as acceptance, calendar, or time replacement item	0	100	-100
A0017	Identify mission software requirements	0	100	-100
F0478	Personalize lesson plans	0	100	-100
A0029	Perform preflight life support inspections	14	100	-86
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	14	100	-86
C0292	Alter software program parameters using patches or by manually manipulating code	14	100	-86
B0147	Repair recording systems	14	100	-86

TABLE 91

## TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A391 AND AD DAFSC 1A591 PERSONNEL

TASKS		AD 1A391 (N=7)	AD 1A591 (N=1)	DIFFERENCE
B0168	Repair patch panels	14	0	14
F0455	Administer or score tests	14	0	14
B0132	Repair data switches or hubs	14	0	14
D0345	Conduct mobility processing checklist procedures	14	0	14
B0144	Repair computer systems	14	0	14
A0027	Participate in special operations planning exercises (SOPEs)	14	0	14
B0148	Operate signal analysis equipment	14	0	14
B0181	Operate relay switching systems	14	0	14
B0136	Operate collection receiver systems	14	0	14
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	14	0	14
D0356	Operate water purification units	14	0	14
E0389	Conduct safety inspections of equipment or facilities	14	0	14
B0232	Operate intermediate frequency (IF) switching systems	14	0	14
C0323	Perform functional check flight (FCF) duties	14	0	14
D0372	Practice self-protection from extreme weather	14	0	14
A0038	Secure mission equipment on aircraft during preflight	71	100	-29
G0482	Annotate cabinet, safe, or room security forms	71	100	-29
A0026	Participate in premission briefings, other than conducting	71	100	-29
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	71	100	-29
E0450	Write recommendations for awards or decorations	71	100	-29
A0003	Assemble professional or personal flight gear	86	100	-14
A0031	Perform initialization of mission systems	86	100	-14
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	86	100	-14
C0325	Perform in-flight checklist procedures	86	100	-14
E0430	Maintain aircrew currency requirements	86	100	-14
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	86	100	-14
A0022	Obtain classified materials or documents	86	100	-14
A0028	Perform preflight inspections, other than life support inspections	86	100	-14



TABLE 92

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A300 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=6)
E0395	Counsel subordinates concerning personal matters	100
E0411	Establish performance standards for subordinates	100
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
E0428	Interpret policies, directives, or procedures for subordinates	83
E0397	Determine or establish work assignments or priorities	83
A0028	Perform preflight inspections, other than life support inspections	83
A0031	Perform initialization of mission systems	83
G0487	Destroy COMSEC or classified materials or documents	83
E0404	Develop or establish work methods or procedures	83
E0392	Conduct supervisory orientations for newly assigned personnel	83
C0301	Coordinate phone patches or intercommunications with appropriate personnel	83
E0382	Adjust daily schedules to meet operational commitments	83
C0320	Perform crew coordination activities	83
E0449	Write job or position descriptions	83
A0025	Participate in general or specialized mission briefings	83
A0026	Participate in premission briefings, other than conducting	83
F0465	Determine training requirements	83
E0426	Inspect personnel for compliance with military standards	83
C0309	Maintain logs, such as in-flight or maintenance	83
A0003	Assemble professional or personal flight gear	83
A0038	Secure mission equipment on aircraft during preflight	83
A0039	Secure personal equipment on aircraft during preflight	83
A0036	Review emergency procedures	83
C0325	Perform in-flight checklist procedures	83
A0035	Review aircrew currency requirements	83
E0445	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	83
C0321	Perform emergency destruct procedures	83
E0385	Assign personnel to work areas or duty positions	83
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	83
E0450	Write recommendations for awards or decorations	83
F0456	Brief personnel concerning training programs or matters	83
C0314	Operate life support systems	83
C0313	Operate emergency equipment	83
E0396	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace, other than for mission deployments	83
E0452	Write staff studies, surveys, or routine reports, other than training or inspection reports	83
E0422	Initiate actions required due to substandard performance of personnel	83
E0418	Evaluate personnel for promotion, demotion, reclassification, or special awards	67
E0390	Conduct self-inspections or self-assessments	67
C0331	Perform postflight inspections	67
A0029	Perform preflight life support inspections	67
G0515	Write minutes of briefings, conferences, or meetings	67

\* Average Number of Tasks Performed - 155

TABLE 93

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A500 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
E0428	Interpret policies, directives, or procedures for subordinates	100
E0395	Counsel subordinates concerning personal matters	100
E0426	Inspect personnel for compliance with military standards	100
E0392	Conduct supervisory orientations for newly assigned personnel	100
E0417	Evaluate personnel for compliance with performance standards	100
E0430	Maintain aircrew currency requirements	100
E0418	Evaluate personnel for promotion, demotion, reclassification, or special awards	100
E0382	Adjust daily schedules to meet operational commitments	100
E0445	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	100
E0387	Complete records of evaluations	100
E0423	Initiate personnel action requests	100
E0422	Initiate actions required due to substandard performance of personnel	100
E0396	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace, other than for mission deployments	100
G0512	Review publications, correspondence, or reports	100
E0400	Develop organizational or functional charts	100
C0317	Participate in postmission debriefings	100
A0035	Review aircrew currency requirements	100
F0463	Conduct on-the-job training (OJT)	100
C0293	Analyze equipment for optimum mission configurations	100
C0298	Coordinate corrections of aircraft discrepancies or malfunctions with crew members	100
C0309	Maintain logs, such as in-flight or maintenance	100
B0244	Operate built-in test equipment (BITE)	100
B0242	Troubleshoot data display systems	100
C0320	Perform crew coordination activities	100
F0456	Brief personnel concerning training programs or matters	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
A0025	Participate in general or specialized mission briefings	100
A0031	Perform initialization of mission systems	100
A0026	Participate in premission briefings, other than conducting	100
B0145	Operate recording systems	100
B0247	Operate hard drive systems, including records management applications (RMAs)	100
C0321	Perform emergency destruct procedures	100
C0325	Perform in-flight checklist procedures	100
G0501	Maintain personal aircrew flight manuals or checklists	100
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	100
B0248	Troubleshoot hard drive systems, including RMAs	100
C0328	Perform operational checkouts of aircraft mission systems after maintenance	100
C0331	Perform postflight inspections	100
B0241	Operate data display systems	100

\* Average Number of Tasks Performed - 162

TABLE 94

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A300 AND AD DAFSC 1A500 PERSONNEL

TASKS		AD 1A300 (N=6)	AD 1A500 (N=3)	DIFFERENCE
G0487	Destroy COMSEC or classified materials or documents	83	0	83
A0002	Assemble communications kits	67	0	67
B0161	Troubleshoot NBSV cryptographic systems	67	0	67
B0164	Troubleshoot WBSV cryptographic systems	67	0	67
A0013	Determine mission communications requirements	67	0	67
B0070	Operate UHF amplitude modulation (AM) voice systems	67	0	67
B0163	Operate wideband secure voice (WBSV) cryptographic systems	67	0	67
A0024	Obtain and secure COMSEC material	67	0	67
B0185	Troubleshoot aircraft ADSs, such as PA systems or interphones	67	0	67
B0154	Operate data encryption devices	67	0	67
B0043	Operate high-frequency (HF) voice systems	67	0	67
B0044	Troubleshoot HF voice systems	67	0	67
E0413	Evaluate communications operations	67	0	67
B0082	Operate VHF frequency modulation (FM) systems	67	0	67
B0147	Repair recording systems	0	100	-100
B0248	Troubleshoot hard drive systems, including RMAs	0	100	-100
B0243	Repair data display systems	0	100	-100
B0188	Troubleshoot cooling systems	0	100	-100
B0241	Operate data display systems	0	100	-100
B0242	Troubleshoot data display systems	0	100	-100
B0247	Operate hard drive systems, including records management applications (RMAs)	0	100	-100
B0288	Remove or replace circuit card assemblies	0	100	-100
B0145	Operate recording systems	0	100	-100
G0514	Review TOs for in-flight procedures	17	100	-83
C0307	Initiate software deficiency reports (SDRs)	0	67	-67
C0292	Alter software program parameters using patches or by manually manipulating code	0	67	-67
C0343	Utilize core automated maintenance system (CAMS)	0	67	-67
D0356	Operate water purification units	0	67	-67
B0249	Repair hard drive systems, including RMAs	0	67	-67

TABLE 95

## TASKS WITH MOST COMMONALITY BETWEEN AD DAFSC 1A300 AND AD DAFSC 1A500 PERSONNEL

TASKS		AD 1A300 (N=6)	AD 1A500 (N=3)	DIFFERENCE
E0405	Develop or establish work schedules	67	67	0
C0294	Assist in aircraft servicing	33	33	0
B0142	Operate computer systems	67	67	0
G0515	Write minutes of briefings, conferences, or meetings	67	67	0
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	67	67	0
H0522	Initiate requisitions for equipment, tools, parts, or supplies	33	33	0
D0381	Store equipment at mission locations	33	33	0
C0310	Monitor passengers	33	33	0
A0004	Conduct premission briefings, including certifications	67	67	0
B0285	Configure communications or electronic systems for operations	33	33	0
G0510	Prepare travel expense documentation	67	67	0
E0420	Evaluate technical order (TO) improvement reports	33	33	0
C0323	Perform functional check flight (FCF) duties	67	67	0
E0412	Establish procedures for accountability of equipment, tools, parts, or supplies	33	33	0
E0454	Write or indorse military enlisted performance reports (EPRs)	67	67	0
F0473	Evaluate progress of trainees	67	67	0
E0395	Counsel subordinates concerning personal matters	100	100	0
E0398	Determine or evaluate causes of mission operational discrepancies	67	67	0
B0119	Troubleshoot TADILs	33	33	0
D0371	Practice duress code procedures	67	67	0
D0349	Don or doff chemical warfare personal protective clothing	67	67	0
E0390	Conduct self-inspections or self-assessments	67	67	0
H0520	Identify and report equipment or supply problems	33	33	0
F0459	Conduct formal course classroom training	33	33	0
H0524	Issue or log turn-ins of equipment, tools, parts, or supplies	33	33	0
G0493	Initiate requests for TDY orders	67	67	0
C0315	Operate or monitor crew member terminals (CMTs)	33	33	0
B0041	Troubleshoot high-power transmitters	33	33	0

TABLE 96

TIME SPENT ON DUTIES BY AD MEMBERS OF COMBINED DAFSC 1A3X1 AND DAFSC 1A5X1 SKILL-LEVEL GROUPS  
(PERCENT RESPONDING)

DUTIES	AD 1A331 & 1A531 (N=68)	AD 1A351 & 1A551 (N=317)	AD 1A371 & 1A571 (N=197)	AD 1A391 & 1A591 (N=8)	AD 1A300 & 1A500 (N=9)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	25	19	16	13	15
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	45	42	37	29	21
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	14	13	13	14	13
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	7	6	4	4	5
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3	7	14	27	31
F PERFORMING TRAINING ACTIVITIES	1	6	8	3	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	4	5	7	8	7
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1	2	1	2	2

TABLE 97

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A331 AND AD DAFSC 1A531 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=68)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	93
A0028	Perform preflight inspections, other than life support inspections	84
C0325	Perform in-flight checklist procedures	82
A0031	Perform initialization of mission systems	81
A0036	Review emergency procedures	76
A0039	Secure personal equipment on aircraft during preflight	76
A0003	Assemble professional or personal flight gear	74
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	74
A0025	Participate in general or specialized mission briefings	74
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	68
A0026	Participate in premission briefings, other than conducting	66
A0038	Secure mission equipment on aircraft during preflight	66
C0309	Maintain logs, such as in-flight or maintenance	65
A0011	Determine aircraft status	65
C0313	Operate emergency equipment	65
C0337	Practice or perform emergency procedures	63
C0321	Perform emergency destruct procedures	60
A0037	Review or update isolated personnel report (ISOPREP) cards	59
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	57
A0022	Obtain classified materials or documents	56
C0320	Perform crew coordination activities	56
B0244	Operate built-in test equipment (BITE)	56
A0004	Conduct premission briefings, including certifications	53
A0001	Annotate mission planning forms	53
C0328	Perform operational checkouts of aircraft mission systems after maintenance	51
D0358	Perform aircraft cocking or uncocking procedures	51
A0035	Review aircrew currency requirements	50
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	50
E0430	Maintain aircrew currency requirements	50
C0317	Participate in postmission debriefings	50
C0303	Coordinate systems status with crew members	50
B0280	Operate oxygen systems	50
D0377	Prepare personal clothing or equipment for deployment	50
B0247	Operate hard drive systems, including records management applications (RMAs)	49
D0367	Perform standby alert procedures	49
C0301	Coordinate phone patches or intercommunications with appropriate personnel	49
B0040	Operate high-power transmitters	47
B0041	Troubleshoot high-power transmitters	47
A0029	Perform preflight life support inspections	46
B0217	Operate test equipment	46

\* Average Number of Tasks Performed - 84

TABLE 98

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A351 AND AD DAFSC 1A551 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=317)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	84
C0325	Perform in-flight checklist procedures	82
A0028	Perform preflight inspections, other than life support inspections	82
A0039	Secure personal equipment on aircraft during preflight	82
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	80
A0025	Participate in general or specialized mission briefings	79
A0036	Review emergency procedures	78
A0026	Participate in premission briefings, other than conducting	76
A0038	Secure mission equipment on aircraft during preflight	73
A0031	Perform initialization of mission systems	71
C0309	Maintain logs, such as in-flight or maintenance	70
C0337	Practice or perform emergency procedures	70
C0313	Operate emergency equipment	70
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	68
A0003	Assemble professional or personal flight gear	68
A0011	Determine aircraft status	67
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	66
E0430	Maintain aircrew currency requirements	64
A0037	Review or update isolated personnel report (ISOPREP) cards	63
C0321	Perform emergency destruct procedures	63
C0320	Perform crew coordination activities	62
C0328	Perform operational checkouts of aircraft mission systems after maintenance	62
A0022	Obtain classified materials or documents	61
C0314	Operate life support systems	61
D0377	Prepare personal clothing or equipment for deployment	60
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	59
C0317	Participate in postmission debriefings	58
B0280	Operate oxygen systems	57
A0035	Review aircrew currency requirements	56
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	56
A0001	Annotate mission planning forms	55
B0190	Operate cryptographic loading devices	51
B0050	Troubleshoot UHF SATCOM voice systems	51
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	51
C0303	Coordinate systems status with crew members	51
A0004	Conduct premission briefings, including certifications	50
B0040	Operate high-power transmitters	50
B0044	Troubleshoot HF voice systems	50
A0024	Obtain and secure COMSEC material	48

\* Average Number of Tasks Performed - 112

TABLE 99

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A331/1A531 AND AD DAFSC 1A351/1A551 PERSONNEL

TASKS		AD 1A331 & 1A531 (N=68)	AD 1A351 & 1A551 (N=317)	DIFFERENCE
C0327	Perform in-flight instructor duties	9	43	-34
F0458	Conduct continuation training (CT)	10	40	-30
F0464	Counsel trainees on training progress	10	39	-29
E0454	Write or indorse military enlisted performance reports (EPRs)	6	33	-28
E0395	Counsel subordinates concerning personal matters	6	34	-28
F0465	Determine training requirements	4	32	-28
F0476	Maintain training records or files	9	36	-27
F0473	Evaluate progress of trainees	4	30	-26
G0501	Maintain personal aircrew flight manuals or checklists	22	48	-26
E0393	Conduct supervisory performance feedback sessions	4	31	-26
F0460	Conduct ground training	7	32	-25
F0468	Develop training programs, plans, or procedures	0	25	-25
G0482	Annotate cabinet, safe, or room security forms	10	33	-23
F0470	Develop or procure training materials or aids	0	23	-23
F0456	Brief personnel concerning training programs or matters	4	27	-23
F0462	Conduct mission qualification training (MQT)	9	32	-23
F0461	Conduct initial qualification training (IQT)	9	31	-22
F0463	Conduct on-the-job training (OJT)	15	37	-22
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	10	32	-21
B0044	Troubleshoot HF voice systems	31	50	-20
E0397	Determine or establish work assignments or priorities	3	23	-20
B0050	Troubleshoot UHF SATCOM voice systems	31	51	-20
E0417	Evaluate personnel for compliance with performance standards	4	23	-19
B0071	Troubleshoot UHF AM voice systems	22	41	-19
C0331	Perform postflight inspections	28	47	-19
E0426	Inspect personnel for compliance with military standards	7	25	-18
F0471	Establish or maintain study reference files	1	19	-18
E0450	Write recommendations for awards or decorations	7	25	-18
F0472	Evaluate effectiveness of training programs, plans, or procedures	1	20	-18
F0474	Evaluate training methods or techniques of instructors	0	18	-18



TABLE 100

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A371 AND AD DAFSC 1A571 PERSONNEL

TASKS	PERCENT MEMBERS PERFORMING (N=197)
A0030 Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	96
A0036 Review emergency procedures	90
A0028 Perform preflight inspections, other than life support inspections	88
A0039 Secure personal equipment on aircraft during preflight	88
A0018 Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	88
C0325 Perform in-flight checklist procedures	87
A0026 Participate in premission briefings, other than conducting	87
A0025 Participate in general or specialized mission briefings	87
C0337 Practice or perform emergency procedures	85
A0031 Perform initialization of mission systems	83
C0309 Maintain logs, such as in-flight or maintenance	83
C0320 Perform crew coordination activities	83
A0003 Assemble professional or personal flight gear	82
C0313 Operate emergency equipment	82
E0430 Maintain aircrew currency requirements	81
C0328 Perform operational checkouts of aircraft mission systems after maintenance	81
A0021 Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	79
A0022 Obtain classified materials or documents	79
A0014 Determine and perform alternate procedures or work-arounds for malfunctioning equipment	79
A0011 Determine aircraft status	78
A0038 Secure mission equipment on aircraft during preflight	78
C0321 Perform emergency destruct procedures	76
A0035 Review aircrew currency requirements	75
E0382 Adjust daily schedules to meet operational commitments	72
C0329 Perform operational checkouts of aircraft mission systems after modifications	71
A0037 Review or update isolated personnel report (ISOPREP) cards	71
C0327 Perform in-flight instructor duties	70
G0501 Maintain personal aircrew flight manuals or checklists	70
C0317 Participate in postmission debriefings	69
F0464 Counsel trainees on training progress	69
D0351 Fire weapons, such as 9mm handguns or M-16 rifles	69
B0280 Operate oxygen systems	68
C0331 Perform postflight inspections	68
C0314 Operate life support systems	68
D0377 Prepare personal clothing or equipment for deployment	66
C0303 Coordinate systems status with crew members	64
E0395 Counsel subordinates concerning personal matters	63
G0482 Annotate cabinet, safe, or room security forms	63
A0001 Annotate mission planning forms	63
E0454 Write or indorse military enlisted performance reports (EPRs)	62
A0004 Conduct premission briefings, including certifications	62
F0465 Determine training requirements	61

\* Average Number of Tasks Performed - 156

TABLE 101

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A351/1A551 AND AD DAFSC 1A371/1A571 PERSONNEL

TASKS		AD 1A351 & 1A551 (N=317)	AD 1A371 & 1A571 (N=197)	DIFFERENCE
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	24	58	-35
E0417	Evaluate personnel for compliance with performance standards	23	57	-34
E0450	Write recommendations for awards or decorations	25	59	-34
E0411	Establish performance standards for subordinates	18	53	-34
E0397	Determine or establish work assignments or priorities	23	56	-33
G0493	Initiate requests for TDY orders	17	49	-32
E0382	Adjust daily schedules to meet operational commitments	41	72	-31
F0464	Counsel trainees on training progress	39	69	-30
G0482	Annotate cabinet, safe, or room security forms	33	63	-30
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	12	42	-30
E0454	Write or indorse military enlisted performance reports (EPRs)	33	62	-29
E0428	Interpret policies, directives, or procedures for subordinates	16	45	-29
E0385	Assign personnel to work areas or duty positions	19	48	-29
E0395	Counsel subordinates concerning personal matters	34	63	-29
F0474	Evaluate training methods or techniques of instructors	18	48	-29
E0418	Evaluate personnel for promotion, demotion, reclassification, or special awards	16	44	-28
E0404	Develop or establish work methods or procedures	18	46	-28
F0456	Brief personnel concerning training programs or matters	27	55	-28
E0449	Write job or position descriptions	12	40	-28
F0465	Determine training requirements	32	61	-28
C0326	Perform in-flight evaluator duties	14	40	-27
F0462	Conduct mission qualification training (MQT)	32	59	-27
C0327	Perform in-flight instructor duties	43	70	-27
E0393	Conduct supervisory performance feedback sessions	31	58	-27
E0422	Initiate actions required due to substandard performance of personnel	20	46	-26
F0455	Administer or score tests	20	46	-26
F0460	Conduct ground training	32	57	-26
F0472	Evaluate effectiveness of training programs, plans, or procedures	20	45	-26
E0387	Complete records of evaluations	18	44	-26

TABLE 102

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A391 AND AD DAFSC 1A591 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=8)
C0325	Perform in-flight checklist procedures	88
E0430	Maintain aircrew currency requirements	88
A0031	Perform initialization of mission systems	88
A0028	Perform preflight inspections, other than life support inspections	88
A0022	Obtain classified materials or documents	88
A0003	Assemble professional or personal flight gear	88
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	88
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	75
E0450	Write recommendations for awards or decorations	75
C0337	Practice or perform emergency procedures	75
A0026	Participate in premission briefings, other than conducting	75
G0482	Annotate cabinet, safe, or room security forms	75
A0025	Participate in general or specialized mission briefings	75
D0377	Prepare personal clothing or equipment for deployment	75
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	75
A0024	Obtain and secure COMSEC material	75
A0038	Secure mission equipment on aircraft during preflight	75
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	75
E0382	Adjust daily schedules to meet operational commitments	62
E0449	Write job or position descriptions	62
C0331	Perform postflight inspections	62
C0329	Perform operational checkouts of aircraft mission systems after modifications	62
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	62
E0397	Determine or establish work assignments or priorities	62
C0317	Participate in postmission debriefings	62
C0309	Maintain logs, such as in-flight or maintenance	62
C0320	Perform crew coordination activities	62
B0043	Operate high-frequency (HF) voice systems	62
B0070	Operate UHF amplitude modulation (AM) voice systems	62
E0426	Inspect personnel for compliance with military standards	62
B0154	Operate data encryption devices	62
C0301	Coordinate phone patches or intercommunications with appropriate personnel	62
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	62
C0328	Perform operational checkouts of aircraft mission systems after maintenance	62
A0006	Coordinate data links with other link players or appropriate link authorization agencies	62
B0190	Operate cryptographic loading devices	62
B0044	Troubleshoot HF voice systems	62
A0013	Determine mission communications requirements	62
G0515	Write minutes of briefings, conferences, or meetings	50

\* Average Number of Tasks Performed - 114

TABLE 103

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A371/1A571 AND AD DAFSC 1A391/1A591 PERSONNEL

TASKS		AD 1A371 & 1A571 (N=197)	AD 1A391 & 1A591 (N=8)	DIFFERENCE
B0197	Troubleshoot AC or DC electrical systems	51	0	51
F0458	Conduct continuation training (CT)	61	12	48
A0037	Review or update isolated personnel report (ISOPREP) cards	71	25	46
G0513	Review TO changes	57	12	45
B0280	Operate oxygen systems	68	25	43
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	79	38	42
A0011	Determine aircraft status	78	38	41
F0465	Determine training requirements	61	25	36
B0245	Troubleshoot BITE	48	12	36
G0499	Maintain FCIFs, MCIFs, or general information files	35	0	35
B0188	Troubleshoot cooling systems	46	12	34
B0242	Troubleshoot data display systems	34	0	34
E0433	Manage or coordinate upgrades to communications systems equipment with appropriate agencies	22	50	-28
B0173	Troubleshoot STUs	26	50	-24
E0449	Write job or position descriptions	40	62	-23
E0434	Participate in electromagnetic interference/electromagnetic compatibility (EMI/EMC) certifications	14	38	-23
E0413	Evaluate communications operations	29	50	-21
B0199	Operate audio switching systems	30	50	-20
B0200	Troubleshoot audio switching systems	30	50	-20
G0483	Build or prepare COMSEC materials	30	50	-20
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	42	62	-20
B0154	Operate data encryption devices	42	62	-20
A0024	Obtain and secure COMSEC material	56	75	-19
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	69	88	-19
A0020	Maintain COMSEC subaccounts	20	38	-18

TABLE 104

## REPRESENTATIVE TASKS PERFORMED BY AD DAFSC 1A300 AND AD DAFSC 1A500 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=9)
E0395	Counsel subordinates concerning personal matters	100
E0388	Conduct general meetings, such as staff meetings, briefings, conferences, or workshops	100
E0428	Interpret policies, directives, or procedures for subordinates	89
E0411	Establish performance standards for subordinates	89
E0392	Conduct supervisory orientations for newly assigned personnel	89
A0028	Perform preflight inspections, other than life support inspections	89
A0031	Perform initialization of mission systems	89
E0426	Inspect personnel for compliance with military standards	89
E0382	Adjust daily schedules to meet operational commitments	89
C0320	Perform crew coordination activities	89
E0445	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	89
A0025	Participate in general or specialized mission briefings	89
A0026	Participate in premission briefings, other than conducting	89
A0035	Review aircrew currency requirements	89
C0309	Maintain logs, such as in-flight or maintenance	89
C0325	Perform in-flight checklist procedures	89
C0321	Perform emergency destruct procedures	89
A0039	Secure personal equipment on aircraft during preflight	89
A0038	Secure mission equipment on aircraft during preflight	89
A0036	Review emergency procedures	89
A0003	Assemble professional or personal flight gear	89
E0396	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace, other than for mission deployments	89
F0456	Brief personnel concerning training programs or matters	89
C0313	Operate emergency equipment	89
E0422	Initiate actions required due to substandard performance of personnel	89
E0397	Determine or establish work assignments or priorities	78
E0418	Evaluate personnel for promotion, demotion, reclassification, or special awards	78
E0404	Develop or establish work methods or procedures	78
E0449	Write job or position descriptions	78
C0331	Perform postflight inspections	78
E0385	Assign personnel to work areas or duty positions	78
C0301	Coordinate phone patches or intercommunications with appropriate personnel	78
E0409	Establish organizational policies, such as operating instructions (OIs) or standard operating procedures (SOPs)	78
E0450	Write recommendations for awards or decorations	78
B0280	Operate oxygen systems	78
G0490	File in-flight logs in aircraft history books	78
F0465	Determine training requirements	78
G0508	Prepare crew travel vouchers	78
E0452	Write staff studies, surveys, or routine reports, other than training or inspection reports	78
C0314	Operate life support systems	78
E0430	Maintain aircrew currency requirements	78

\* Average Number of Tasks Performed - 157

TABLE 105

## TASKS THAT BEST DIFFERENTIATE BETWEEN AD DAFSC 1A391/1A591 AND AD DAFSC 1A300/1A500 PERSONNEL

TASKS		AD 1A391 & 1A591 (N=8)	AD 1A300 & 1A500 (N=9)	DIFFERENCE
B0173	Troubleshoot STUs	50	11	39
B0172	Operate secure telephone units (STUs)	50	11	39
B0199	Operate audio switching systems	50	11	39
B0200	Troubleshoot audio switching systems	50	11	39
G0482	Annotate cabinet, safe, or room security forms	75	44	31
A0024	Obtain and secure COMSEC material	75	44	31
A0006	Coordinate data links with other link players or appropriate link authorization agencies	62	33	29
B0190	Operate cryptographic loading devices	62	33	29
E0433	Manage or coordinate upgrades to communications systems equipment with appropriate agencies	50	22	28
B0100	Operate HF data systems	50	22	28
B0179	Troubleshoot carry-on communications or electronics equipment	38	11	26
B0217	Operate test equipment	38	11	26
B0218	Troubleshoot test equipment	38	11	26
E0392	Conduct supervisory orientations for newly assigned personnel	12	89	-76
D0347	Determine personnel or equipment requirements for mission deployments	0	67	-67
E0445	Review drafts of supplements or changes to directives, such as policy directives, instructions, or manuals	25	89	-64
E0396	Determine or establish logistics requirements, such as personnel, equipment, tools, parts, supplies, or workspace, other than for mission deployments	25	89	-64
F0467	Develop formal course curricula, plans of instruction (POIs), or specialty training standards (STSs)	0	56	-56
C0323	Perform functional check flight (FCF) duties	12	67	-54
A0009	Coordinate mission software requirements with appropriate agencies	12	67	-54
A0017	Identify mission software requirements	12	67	-54
F0465	Determine training requirements	25	78	-53
E0423	Initiate personnel action requests	25	78	-53
A0037	Review or update isolated personnel report (ISOPREP) cards	25	78	-53
B0280	Operate oxygen systems	25	78	-53

TABLE 106

TIME SPENT ON DUTIES BY ANG MEMBERS OF DAFSC 1A3X1 SKILL-LEVEL GROUPS  
(PERCENT RESPONDING)

DUTIES	ANG 1A351 (N=4)	ANG 1A371 (N=14)	ANG 1A391 (N=5)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	12	17	19
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	55	38	28
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	11	11	13
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	5	7	9
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	6	11	14
F PERFORMING TRAINING ACTIVITIES	5	6	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	4	6	9
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	2	4	2

TABLE 107

## REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 1A351 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=4)
D0379	Reconfigure aircraft for specific mission requirements	100
A0031	Perform initialization of mission systems	100
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	100
B0282	Operate software	100
B0193	Operate lighting systems	100
B0142	Operate computer systems	100
B0217	Operate test equipment	100
B0127	Operate digital data distribution systems, such as local area networks (LANs) or buses	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	100
B0283	Troubleshoot software	100
B0136	Operate collection receiver systems	100
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	100
B0288	Remove or replace circuit card assemblies	100
B0152	Troubleshoot DF equipment	100
C0317	Participate in postmission debriefings	100
D0377	Prepare personal clothing or equipment for deployment	100
A0036	Review emergency procedures	100
B0119	Troubleshoot TADILs	100
B0197	Troubleshoot AC or DC electrical systems	100
B0053	Troubleshoot UHF FDM systems	100
B0194	Troubleshoot lighting systems	100
C0337	Practice or perform emergency procedures	100
B0044	Troubleshoot HF voice systems	100
B0101	Troubleshoot HF data systems	100
B0050	Troubleshoot UHF SATCOM voice systems	100
B0071	Troubleshoot UHF AM voice systems	100
B0080	Troubleshoot VHF AM systems	100
B0137	Troubleshoot collection receiver systems	100
B0170	Troubleshoot RF distribution systems	100
B0083	Troubleshoot VHF FM systems	100
B0128	Troubleshoot digital data distribution systems, such as LANs or buses	100
C0309	Maintain logs, such as in-flight or maintenance	100
B0218	Troubleshoot test equipment	100
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	100
B0224	Troubleshoot TIBSs	100
C0313	Operate emergency equipment	100
B0143	Troubleshoot computer systems	100
B0118	Operate tactical digital information links (TADILs)	100
B0052	Operate UHF frequency division multiplexer (FDM) systems	100

\* Average Number of Tasks Performed - 160



TABLE 108

## REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 1A371 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=14)
A0036	Review emergency procedures	100
A0026	Participate in premission briefings, other than conducting	93
A0025	Participate in general or specialized mission briefings	93
C0325	Perform in-flight checklist procedures	93
A0039	Secure personal equipment on aircraft during preflight	93
A0038	Secure mission equipment on aircraft during preflight	93
C0337	Practice or perform emergency procedures	93
A0037	Review or update isolated personnel report (ISOPREP) cards	93
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	93
C0309	Maintain logs, such as in-flight or maintenance	86
A0028	Perform preflight inspections, other than life support inspections	86
C0331	Perform postflight inspections	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
B0193	Operate lighting systems	86
B0190	Operate cryptographic loading devices	86
B0244	Operate built-in test equipment (BITE)	86
B0050	Troubleshoot UHF SATCOM voice systems	86
B0104	Troubleshoot UHF SATCOM data systems	86
B0044	Troubleshoot HF voice systems	86
B0245	Troubleshoot BITE	86
B0194	Troubleshoot lighting systems	86
D0349	Don or doff chemical warfare personal protective clothing	79
E0430	Maintain aircrew currency requirements	79
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	79
A0022	Obtain classified materials or documents	79
D0377	Prepare personal clothing or equipment for deployment	79
A0024	Obtain and secure COMSEC material	79
B0196	Operate alternating current (AC) or direct current (DC) electrical systems	79
B0170	Troubleshoot RF distribution systems	79
H0524	Issue or log turn-ins of equipment, tools, parts, or supplies	79
B0143	Troubleshoot computer systems	79
C0313	Operate emergency equipment	79
B0152	Troubleshoot DF equipment	79
B0197	Troubleshoot AC or DC electrical systems	79
B0071	Troubleshoot UHF AM voice systems	79
B0080	Troubleshoot VHF AM systems	79
B0083	Troubleshoot VHF FM systems	79
C0321	Perform emergency destruct procedures	79
G0487	Destroy COMSEC or classified materials or documents	79
A0035	Review aircrew currency requirements	71
A0031	Perform initialization of mission systems	71
E0382	Adjust daily schedules to meet operational commitments	71
G0514	Review TOs for in-flight procedures	71

\* Average Number of Tasks Performed - 194

TABLE 109

## TASKS THAT BEST DIFFERENTIATE BETWEEN ANG DAFSC 1A351 AND ANG DAFSC 1A371 PERSONNEL

TASKS		ANG 1A351 (N=4)	ANG 1A371 (N=14)	DIFFERENCE
B0118	Operate tactical digital information links (TADILs)	100	29	71
B0284	Repair software	75	14	61
D0379	Reconfigure aircraft for specific mission requirements	100	43	57
B0223	Operate tactical information broadcast systems (TIBSs)	100	43	57
B0136	Operate collection receiver systems	100	43	57
B0119	Troubleshoot TADILs	100	50	50
B0082	Operate VHF frequency modulation (FM) systems	100	50	50
B0070	Operate UHF amplitude modulation (AM) voice systems	100	50	50
B0052	Operate UHF frequency division multiplexer (FDM) systems	100	50	50
A0017	Identify mission software requirements	75	29	46
G0511	Research TO indexes	75	29	46
D0372	Practice self-protection from extreme weather	75	29	46
B0053	Troubleshoot UHF FDM systems	100	57	43
B0137	Troubleshoot collection receiver systems	100	57	43
D0347	Determine personnel or equipment requirements for mission deployments	0	57	-57
H0525	Maintain documentation on items requiring periodic inspections or calibrations	0	57	-57
E0405	Develop or establish work schedules	0	50	-50
B0067	Operate demand assigned multiple access (DAMA) systems	0	50	-50
E0425	Inspect facilities	0	50	-50
E0447	Schedule personnel for temporary duty (TDY) assignments, leaves, or passes	0	50	-50
E0393	Conduct supervisory performance feedback sessions	0	50	-50
G0510	Prepare travel expense documentation	0	50	-50
F0458	Conduct continuation training (CT)	0	50	-50
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	25	71	-46
D0363	Perform classified courier duties	25	71	-46
E0431	Maintain equipment accounts	25	71	-46
G0495	Issue COMSEC materials	0	43	-43
A0015	Develop mission execution checklists	0	43	-43
H0519	Draft recommendations for changes in equipment	0	43	-43

TABLE 110

## REPRESENTATIVE TASKS PERFORMED BY ANG DAFSC 1A391 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=5)
C0309	Maintain logs, such as in-flight or maintenance	100
C0331	Perform postflight inspections	100
C0320	Perform crew coordination activities	100
A0036	Review emergency procedures	100
A0025	Participate in general or specialized mission briefings	100
A0004	Conduct premission briefings, including certifications	100
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0011	Determine aircraft status	100
A0028	Perform preflight inspections, other than life support inspections	100
A0022	Obtain classified materials or documents	100
A0037	Review or update isolated personnel report (ISOPREP) cards	100
A0038	Secure mission equipment on aircraft during preflight	100
A0029	Perform preflight life support inspections	100
A0026	Participate in premission briefings, other than conducting	100
A0035	Review aircrew currency requirements	100
B0043	Operate high-frequency (HF) voice systems	100
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	80
C0328	Perform operational checkouts of aircraft mission systems after maintenance	80
E0430	Maintain aircrew currency requirements	80
C0325	Perform in-flight checklist procedures	80
A0031	Perform initialization of mission systems	80
G0509	Prepare flight publications kits	80
G0501	Maintain personal aircrew flight manuals or checklists	80
E0382	Adjust daily schedules to meet operational commitments	80
A0024	Obtain and secure COMSEC material	80
B0091	Operate Have Quick systems	80
B0280	Operate oxygen systems	80
C0319	Perform authentication procedures	80
B0155	Troubleshoot data encryption devices	80
E0385	Assign personnel to work areas or duty positions	80
C0313	Operate emergency equipment	80
C0337	Practice or perform emergency procedures	80
D0371	Practice duress code procedures	80
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	80
G0482	Annotate cabinet, safe, or room security forms	80
D0357	Participate in predeployment mobility briefings	80
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	80
B0151	Operate direction finding (DF) equipment	80
B0154	Operate data encryption devices	80
B0221	Troubleshoot cryptographic systems	80

\* Average Number of Tasks Performed - 165

TABLE 111

## TASKS THAT BEST DIFFERENTIATE BETWEEN ANG DAFSC 1A371 AND ANG DAFSC 1A391 PERSONNEL

TASKS		ANG 1A371 (N=14)	ANG 1A391 (N=5)	DIFFERENCE
A0034	Request supplemental parts kits, such as spare radios or inertial navigation systems (INSs)	71	0	71
H0524	Issue or log turn-ins of equipment, tools, parts, or supplies	79	20	59
A0019	Instruct additional personnel, non-primary crew members, or passengers on in-flight or ground emergency procedures and equipment	71	20	51
C0303	Coordinate systems status with crew members	71	20	51
G0514	Review TOs for in-flight procedures	71	20	51
H0528	Pick up, deliver, or store equipment, tools, parts, or supplies, other than life support equipment	71	20	51
B0194	Troubleshoot lighting systems	86	40	46
B0171	Repair RF distribution systems	64	20	44
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	64	20	44
E0427	Inspect support equipment or special tools, other than life support equipment	43	0	43
G0486	Complete accident or incident reports	43	0	43
C0296	Clean interior of aircraft	43	0	43
E0424	Inspect communications stations	43	0	43
C0318	Perform airborne mission commander/on-scene commander (AMC/OSC) duties	21	80	-59
D0358	Perform aircraft cocking or uncocking procedures	14	60	-46
G0506	Participate in TCTO meetings	14	60	-46
A0007	Coordinate flight routes with navigators, pilots, or electronic warfare officers (EWOs)	14	60	-46
C0319	Perform authentication procedures	36	80	-44
B0091	Operate Have Quick systems	36	80	-44
G0509	Prepare flight publications kits	36	80	-44
B0073	Operate commercial-band UHF/very high-frequency (VHF) transmitters	36	80	-44
C0320	Perform crew coordination activities	57	100	-43
D0359	Perform alert aircraft changeovers	21	60	-39
B0214	Operate identification friend or foe (IFF) systems	21	60	-39
G0515	Write minutes of briefings, conferences, or meetings	21	60	-39
B0040	Operate high-power transmitters	21	60	-39

TABLE 112

TIME SPENT ON DUTIES BY AFRC MEMBERS OF DAFSC 1A3X1 AND DAFSC 1A5X1 SKILL-LEVEL GROUPS  
(PERCENT RESPONDING)

DUTIES	AFRC 1A351 & 1A551 (N=7)	AFRC 1A371 & 1A571 (N=23)	AFRC 1A391 & 1A591 (N=3)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	29	23	16
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	47	41	50
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	13	13	9
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	6	7	5
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	2	6	10
F PERFORMING TRAINING ACTIVITIES	*	4	6
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	2	5	3
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	*	1	*

\* Indicates less than 1%

TABLE 113

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A351 AND  
AFRC DAFSC 1A551 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=7)
A0028	Perform preflight inspections, other than life support inspections	100
A0025	Participate in general or specialized mission briefings	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
A0037	Review or update isolated personnel report (ISOPREP) cards	100
A0036	Review emergency procedures	86
C0325	Perform in-flight checklist procedures	86
A0004	Conduct premission briefings, including certifications	86
B0244	Operate built-in test equipment (BITE)	86
C0337	Practice or perform emergency procedures	86
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	86
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	86
A0029	Perform preflight life support inspections	71
A0031	Perform initialization of mission systems	71
A0003	Assemble professional or personal flight gear	71
A0011	Determine aircraft status	71
A0035	Review aircrew currency requirements	71
C0303	Coordinate systems status with crew members	71
C0309	Maintain logs, such as in-flight or maintenance	71
B0280	Operate oxygen systems	71
B0190	Operate cryptographic loading devices	71
C0301	Coordinate phone patches or intercommunications with appropriate personnel	71
B0040	Operate high-power transmitters	71
B0245	Troubleshoot BITE	71
A0039	Secure personal equipment on aircraft during preflight	71
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	71
A0026	Participate in premission briefings, other than conducting	57
A0038	Secure mission equipment on aircraft during preflight	57
A0022	Obtain classified materials or documents	57
C0320	Perform crew coordination activities	57
B0118	Operate tactical digital information links (TADILs)	57
B0043	Operate high-frequency (HF) voice systems	57
B0220	Operate cryptographic systems	57
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	57
B0285	Configure communications or electronic systems for operations	57
E0430	Maintain aircrew currency requirements	57
D0379	Reconfigure aircraft for specific mission requirements	57
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	57
D0377	Prepare personal clothing or equipment for deployment	57
B0100	Operate HF data systems	57

\* Average Number of Tasks Performed - 84

TABLE 114

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A371 AND  
AFRC DAFSC 1A571 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=23)
A0025	Participate in general or specialized mission briefings	100
A0028	Perform preflight inspections, other than life support inspections	96
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	96
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	91
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	91
A0039	Secure personal equipment on aircraft during preflight	91
A0038	Secure mission equipment on aircraft during preflight	91
A0036	Review emergency procedures	91
A0026	Participate in premission briefings, other than conducting	87
A0035	Review aircrew currency requirements	87
C0309	Maintain logs, such as in-flight or maintenance	83
A0011	Determine aircraft status	83
A0022	Obtain classified materials or documents	83
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	83
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	83
A0037	Review or update isolated personnel report (ISOPREP) cards	83
A0031	Perform initialization of mission systems	78
A0003	Assemble professional or personal flight gear	78
C0337	Practice or perform emergency procedures	78
D0377	Prepare personal clothing or equipment for deployment	74
C0313	Operate emergency equipment	74
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	74
C0325	Perform in-flight checklist procedures	70
C0321	Perform emergency destruct procedures	70
A0004	Conduct premission briefings, including certifications	65
C0303	Coordinate systems status with crew members	61
E0430	Maintain aircrew currency requirements	61
B0040	Operate high-power transmitters	61
A0024	Obtain and secure COMSEC material	61
B0041	Troubleshoot high-power transmitters	61
C0301	Coordinate phone patches or intercommunications with appropriate personnel	61
B0215	Troubleshoot IFF systems	61
C0328	Perform operational checkouts of aircraft mission systems after maintenance	61
D0367	Perform standby alert procedures	61
D0360	Perform alert crew changeovers	61
B0049	Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	57
C0320	Perform crew coordination activities	57
C0331	Perform postflight inspections	57
B0043	Operate high-frequency (HF) voice systems	57

\* Average Number of Tasks Performed - 111

TABLE 115

TASKS THAT BEST DIFFERENTIATE BETWEEN AFRC DAFSC 1A351/1A551 AND AFRC DAFSC 1A371/1A571 PERSONNEL

TASKS		AFRC 1A351 & 1A551 (N=7)	AFRC 1A371 & 1A571 (N=23)	DIFFERENCE
B0244	Operate built-in test equipment (BITE)	86	39	47
B0245	Troubleshoot BITE	71	30	41
D0379	Reconfigure aircraft for specific mission requirements	57	26	31
B0217	Operate test equipment	57	26	31
B0133	Operate mission audio distribution systems (ADSs) or communications distribution groups (CDGs)	57	26	31
B0134	Troubleshoot mission ADSs or CDGs	57	30	27
B0046	Operate automatic link establishment (ALE) systems	57	30	27
B0118	Operate tactical digital information links (TADILs)	57	30	27
B0285	Configure communications or electronic systems for operations	57	30	27
B0200	Troubleshoot audio switching systems	43	17	25
B0052	Operate UHF frequency division multiplexer (FDM) systems	29	4	24
B0119	Troubleshoot TADILs	57	35	22
B0154	Operate data encryption devices	57	35	22
F0462	Conduct mission qualification training (MQT)	0	43	-43
A0002	Assemble communications kits	0	43	-43
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	43	83	-40
C0304	Decode or encode messages manually	0	39	-39
F0464	Counsel trainees on training progress	0	39	-39
F0465	Determine training requirements	0	39	-39
C0327	Perform in-flight instructor duties	0	35	-35
F0463	Conduct on-the-job training (OJT)	0	35	-35
D0354	Operate portable radios	14	48	-34
A0016	Establish communications security (COMSEC) requirements	14	48	-34
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	14	48	-34
A0038	Secure mission equipment on aircraft during preflight	57	91	-34
A0024	Obtain and secure COMSEC material	29	61	-32



TABLE 116

REPRESENTATIVE TASKS PERFORMED BY AFRC DAFSC 1A391 AND  
AFRC DAFSC 1A591 PERSONNEL

TASKS		PERCENT MEMBERS PERFORMING (N=3)
B0041	Troubleshoot high-power transmitters	100
B0042	Repair high-power transmitters	100
A0031	Perform initialization of mission systems	100
A0004	Conduct premission briefings, including certifications	100
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	100
B0040	Operate high-power transmitters	100
A0028	Perform preflight inspections, other than life support inspections	100
A0036	Review emergency procedures	100
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	100
B0280	Operate oxygen systems	100
A0003	Assemble professional or personal flight gear	100
A0011	Determine aircraft status	100
A0025	Participate in general or specialized mission briefings	67
A0026	Participate in premission briefings, other than conducting	67
B0185	Troubleshoot aircraft ADSs, such as PA systems or interphones	67
B0214	Operate identification friend or foe (IFF) systems	67
B0184	Operate aircraft audio distribution systems (ADSs), such as public address (PA) systems or interphones	67
B0263	Troubleshoot radar transmission systems	67
B0253	Operate radar power distribution systems	67
B0251	Troubleshoot radar systems	67
B0261	Repair radar computer components	67
B0258	Repair radar cooling systems	67
B0255	Repair radar power distribution systems	67
B0262	Operate radar transmission systems	67
B0257	Troubleshoot radar cooling systems	67
B0290	Remove or replace SF-6 bottles	67
B0289	Remove or replace inverters	67
B0252	Repair radar systems	67
B0254	Troubleshoot radar power distribution systems	67
B0288	Remove or replace circuit card assemblies	67
B0194	Troubleshoot lighting systems	67
B0256	Operate radar cooling systems	67
B0170	Troubleshoot RF distribution systems	67
B0264	Repair radar transmission systems	67
B0215	Troubleshoot IFF systems	67
B0267	Repair radar Doppler reception systems	67
B0269	Troubleshoot radar pulse reception systems	67
B0265	Operate radar Doppler reception systems	67
B0270	Repair radar pulse reception systems	67
B0268	Operate radar pulse reception systems	67
B0266	Troubleshoot radar Doppler reception systems	67
D0359	Perform alert aircraft changeovers	67

\* Average Number of Tasks Performed - 111

TABLE 117

TASKS THAT BEST DIFFERENTIATE BETWEEN AFRC DAFSC 1A371/1A571 AND AFRC DAFSC 1A391/1A591 PERSONNEL

TASKS		AFRC 1A371 & 1A571 (N=23)	AFRC 1A391 & 1A591 (N=3)	DIFFERENCE
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	83	0	83
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	91	33	58
A0035	Review aircrew currency requirements	87	33	54
C0293	Analyze equipment for optimum mission configurations	52	0	52
C0317	Participate in postmission debriefings	52	0	52
A0022	Obtain classified materials or documents	83	33	49
C0309	Maintain logs, such as in-flight or maintenance	83	33	49
B0220	Operate cryptographic systems	48	0	48
C0314	Operate life support systems	48	0	48
H0523	Inventory equipment, tools, parts, or supplies, communications kits, or in-flight spare parts kits	48	0	48
B0073	Operate commercial-band UHF/very high-frequency (VHF) transmitters	48	0	48
D0357	Participate in predeployment mobility briefings	48	0	48
C0337	Practice or perform emergency procedures	78	33	45
B0042	Repair high-power transmitters	39	100	-61
B0170	Troubleshoot RF distribution systems	9	67	-58
C0326	Perform in-flight evaluator duties	9	67	-58
B0254	Troubleshoot radar power distribution systems	17	67	-49
E0392	Conduct supervisory orientations for newly assigned personnel	17	67	-49
B0253	Operate radar power distribution systems	17	67	-49
B0258	Repair radar cooling systems	17	67	-49
B0289	Remove or replace inverters	17	67	-49
B0252	Repair radar systems	17	67	-49
B0261	Repair radar computer components	17	67	-49
B0270	Repair radar pulse reception systems	17	67	-49
B0263	Troubleshoot radar transmission systems	17	67	-49
B0264	Repair radar transmission systems	17	67	-49

TABLE 118

TIME SPENT ACROSS DUTIES BY FIRST-JOB (1-24 MONTHS' TAFMS)  
DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL

DUTIES	PERCENT TIME SPENT (N=35)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	21
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	46
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	15
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	9
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3
F PERFORMING TRAINING ACTIVITIES	1
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	4
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1

TABLE 119

REPRESENTATIVE TASKS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL  
WITH 1-24 MONTHS' TAFMS

TASKS		PERCENT MEMBERS PERFORMING (N=35)
C0325	Perform in-flight checklist procedures	80
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	80
A0036	Review emergency procedures	69
A0039	Secure personal equipment on aircraft during preflight	66
A0003	Assemble professional or personal flight gear	66
C0337	Practice or perform emergency procedures	60
A0028	Perform preflight inspections, other than life support inspections	60
A0026	Participate in premission briefings, other than conducting	57
B0244	Operate built-in test equipment (BITE)	57
C0309	Maintain logs, such as in-flight or maintenance	54
A0038	Secure mission equipment on aircraft during preflight	54
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	54
A0025	Participate in general or specialized mission briefings	54
C0313	Operate emergency equipment	54
A0031	Perform initialization of mission systems	51
A0022	Obtain classified materials or documents	49
D0377	Prepare personal clothing or equipment for deployment	49
D0360	Perform alert crew changeovers	46
D0367	Perform standby alert procedures	46
E0430	Maintain aircrew currency requirements	46
C0317	Participate in postmission debriefings	46
A0011	Determine aircraft status	46
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	46
D0368	Practice alert force or alert reaction exercises	43
A0035	Review aircrew currency requirements	43
B0190	Operate cryptographic loading devices	43
A0024	Obtain and secure COMSEC material	43
A0037	Review or update isolated personnel report (ISOPREP) cards	43
D0359	Perform alert aircraft changeovers	40
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	40
C0303	Coordinate systems status with crew members	40
B0280	Operate oxygen systems	40
B0288	Remove or replace circuit card assemblies	40
C0301	Coordinate phone patches or intercommunications with appropriate personnel	40
B0142	Operate computer systems	37
A0006	Coordinate data links with other link players or appropriate link authorization agencies	37
C0314	Operate life support systems	37
G0487	Destroy COMSEC or classified materials or documents	34
B0143	Troubleshoot computer systems	34
B0247	Operate hard drive systems, including records management applications (RMAs)	34

\* Average Number of Tasks Performed - 63

TABLE 120

TIME SPENT ACROSS DUTIES BY FIRST-ENLISTMENT (1-48 MONTHS' TAFMS)  
DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL

DUTIES	PERCENT TIME SPENT (N=106)
A PERFORMING MISSION PLANNING, PREMISSION, OR PREFLIGHT ACTIVITIES	25
B PERFORMING OPERATIONS OR MAINTENANCE OF COMMUNICATIONS OR ELECTRONICS SYSTEMS	47
C PERFORMING GENERAL AIRBORNE COMMUNICATIONS OR MISSION SYSTEMS ACTIVITIES	13
D PERFORMING MOBILITY AND CONTINGENCY ACTIVITIES	7
E PERFORMING MANAGEMENT AND SUPERVISORY ACTIVITIES	3
F PERFORMING TRAINING ACTIVITIES	1
G PERFORMING GENERAL ADMINISTRATIVE AND TECHNICAL ORDER (TO) SYSTEM ACTIVITIES	3
H PERFORMING GENERAL SUPPLY AND EQUIPMENT ACTIVITIES	1

TABLE 121

REPRESENTATIVE TASKS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL  
WITH 1-48 MONTHS' TAFMS

TASKS		PERCENT MEMBERS PERFORMING (N=106)
A0030	Perform premission requirements, such as reviewing FCIFs, MORFs, MCIFs, general information files, or annotating flight orders	81
C0325	Perform in-flight checklist procedures	78
A0028	Perform preflight inspections, other than life support inspections	74
A0039	Secure personal equipment on aircraft during preflight	73
A0036	Review emergency procedures	72
A0018	Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	71
A0031	Perform initialization of mission systems	69
A0038	Secure mission equipment on aircraft during preflight	67
A0025	Participate in general or specialized mission briefings	66
A0026	Participate in premission briefings, other than conducting	64
A0011	Determine aircraft status	62
A0003	Assemble professional or personal flight gear	62
C0337	Practice or perform emergency procedures	58
C0309	Maintain logs, such as in-flight or maintenance	57
C0313	Operate emergency equipment	57
A0014	Determine and perform alternate procedures or work-arounds for malfunctioning equipment	56
A0037	Review or update isolated personnel report (ISOPREP) cards	56
A0022	Obtain classified materials or documents	55
C0321	Perform emergency destruct procedures	55
A0035	Review aircrew currency requirements	52
B0244	Operate built-in test equipment (BITE)	51
A0023	Obtain specialized mission equipment, such as audio tapes, communications kits, hard drives, optical disks, test equipment, video tapes, time modules, or tool kits	48
E0430	Maintain aircrew currency requirements	46
A0021	Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	46
B0217	Operate test equipment	46
D0377	Prepare personal clothing or equipment for deployment	46
C0320	Perform crew coordination activities	45
C0328	Perform operational checkouts of aircraft mission systems after maintenance	45
C0303	Coordinate systems status with crew members	45
B0288	Remove or replace circuit card assemblies	45
C0317	Participate in postmission debriefings	44
C0300	Coordinate maintenance of mission systems equipment malfunctions with appropriate personnel	43
A0024	Obtain and secure COMSEC material	42
B0142	Operate computer systems	42
A0004	Conduct premission briefings, including certifications	42
B0280	Operate oxygen systems	42
C0314	Operate life support systems	42
D0351	Fire weapons, such as 9mm handguns or M-16 rifles	42

\* Average Number of Tasks Performed - 81

TABLE 122

EMERGENCY EQUIPMENT CONTAINED ON AIRCRAFT SUPPORTED BY  
FIRST-ENLISTMENT DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL  
(PERCENT CONTAINING EQUIPMENT)

EMERGENCY EQUIPMENT	(N=106)
Emergency Exits	91
Firefighter's Masks	90
Crash Axes	89
Fire Extinguishers	89
First-Aid Kits	88
Oxygen Regulators	88
Alarm Bells/Signals	85
Life Rafts	84
Life Raft Accessory/Survival Kits	82
Portable Oxygen Units	82
Firefighter's Gloves	79
Nomex Gloves	78
Life Preserver Underarms (LPUs)	77
Quick-Don Oxygen Masks	77
Escape Ropes	76
Portable Oxygen Refiller Ports	68
Airplane/Mission Maintenance Intercom Panels	65
Emergency Personal Oxygen Systems (EPOSs)	64
Seat Kits	64
Flashlights	62
Emergency Radios	61
Escape Slides	61
Inertia Reels	53
Personal Restraint Harnesses	47
Reflective Belts	45
Anti-Exposure Suits, other than Extreme Cold Weather	43

TABLE 123

COMMUNICATIONS OR ELECTRONICS EQUIPMENT AND SYSTEMS USED, OPERATED, OR  
MAINTAINED BY FIRST-ENLISTMENT DAFSC 1A3X1 AND DAFSC 1A5X1 PERSONNEL  
(PERCENT USING, OPERATING, OR MAINTAINING)

COMMUNICATIONS OR ELECTRONICS EQUIPMENT AND SYSTEMS	(N=106)
Keyboards	64
Receivers	54
UHF Communications Systems	54
Monitors	53
Hard Drives	51
Printers	51
Busses, Data	48
Cooling Systems	48
Cryptographic Systems, Data	48
Data Transfer Devices, such as CYZ-10	46
Encryption Devices	46
Very-High Frequency (VHF) Communications Systems	46
High Frequency (HF) Communications Systems	44
Software	44
Electrostatic Discharge (ESD) Kits	43
Airborne Mission Computer Systems	42
Busses, Electrical Power	42
Cryptographic Systems, Voice	42
Radio Frequency (RF) Amplifiers	42
Satellite Systems, Ultra-High Frequency (UHF)	42
Secure Data Link Systems	42
Antenna Systems	41
Identification Friend or Foe (IFF) Systems	41
Spectrum Analyzers	41
Display Consoles	40
Multimeters	39
Pointing Devices, such as Mice, Touch Screens, or Track Balls	38
RF Distribution Systems	36
Recording Systems	36
Consolidated Tool Kits (CTKs)	34
Satellite Systems, Military	34
Demodulators	33
Modems	33
Broadcast Intelligence Systems,	32
Digital Display Indicators (DDIs)	32
Local Area Network (LAN) Systems	32
Amplifiers	31
Remote Control Units (RCUs)	31
Automatic Direction Finding (ADF) Equipment	30
Distribution Systems, Electrical Power	29
Super High Frequency (SHF) Communications Systems	28
Advanced Narrow Band Encryption Devices	26
Audio Distribution Systems (ADSs), Analog	25
Public Address (PA) Systems	25
Oscilloscopes	24



TABLE 124

EXAMPLES OF AFSC 1A3X1 AND AFSC 1A5X1 TASKS WITH HIGHEST TRAINING EMPHASIS RATINGS  
(PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING)

TASKS	TNG EMP	1-24 MOS TAFMS	1-48 MOS TAFMS	TSK DIF
A0036 Review emergency procedures	6.27	69	72	3.86
B0142 Operate computer systems	5.82	37	42	4.64
A0031 Perform initialization of mission systems	5.78	51	69	4.78
C0313 Operate emergency equipment	5.64	54	57	4.15
A0018 Review Air Force Technical Order (AFTO) Forms 781 (Aircraft Discrepancy, Inspection, and Maintenance Records)	5.58	54	71	3.40
A0028 Perform preflight inspections, other than life support inspections	5.53	60	74	4.75
A0014 Determine and perform alternate procedures or work-arounds for malfunctioning equipment	5.36	46	56	6.22
B0143 Troubleshoot computer systems	5.27	34	41	5.72
C0325 Perform in-flight checklist procedures	5.18	80	78	4.23
A0030 Perform premission requirements, such as reviewing flight crew information files (FCIFs), mission operations read files (MORFs), mission crew information files (MCIFs), general information files, or annotating flight orders	5.13	80	81	3.21
A0021 Maintain current status of flight manuals, safety and operational supplements, or flight crew checklists	5.09	31	46	3.84
C0337 Practice or perform emergency procedures	5.07	60	58	4.27
C0320 Perform crew coordination activities	4.98	34	45	3.94
C0309 Maintain logs, such as in-flight or maintenance	4.91	54	57	3.82
A0035 Review aircrew currency requirements	4.82	43	52	3.88
B0280 Operate oxygen systems	4.69	40	42	3.55
A0011 Determine aircraft status	4.69	46	62	2.86
E0430 Maintain aircrew currency requirements	4.67	46	46	4.45
B0282 Operate software	4.64	26	34	4.59
C0321 Perform emergency destruct procedures	4.49	46	55	4.41
C0314 Operate life support systems	4.49	37	42	4.15
A0038 Secure mission equipment on aircraft during preflight	4.47	54	67	2.57
A0039 Secure personal equipment on aircraft during preflight	4.33	66	73	2.25
A0003 Assemble professional or personal flight gear	4.20	66	62	1.91
B0049 Operate ultra high-frequency (UHF) satellite communications (SATCOM) voice systems	4.16	34	35	4.42
A0029 Perform preflight life support inspections	4.16	26	38	3.91

TE MEAN = 1.66; S.D. = 1.22; HIGH = 2.88

TABLE 125

EXAMPLES OF AFSC 1A3X1 AND AFSC 1A5X1 TASKS WITH HIGHEST TASK DIFFICULTY RATINGS  
(PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING)

TASKS	TASK DIF	1-24 MOS TAFMS	1-48 MOS TAFMS	3- SKL LVL	5- SKL LVL	7- SKL LVL	9- SKL LVL	CEM	TNG EMP
B0207 Repair flight director/autopilot systems	7.71	0	0	0	0	3	0	0	0.11
B0210 Repair FMSs, such as FMS 800	7.68	0	1	1	0	5	0	11	0.11
B0141 Repair fiber optics systems	7.58	9	15	7	12	19	0	11	1.89
B0159 Repair jamming systems	7.48	3	2	0	3	4	0	0	0.33
B0284 Repair software	7.31	11	14	7	13	21	0	11	1.11
E0419 Evaluate systems designs	7.14	0	0	0	4	18	25	22	0.51
B0225 Repair TIBSs	7.14	9	17	7	11	17	0	0	1.31
B0252 Repair radar systems	7.11	6	13	15	15	16	0	11	0.44
B0237 Repair HDSs	7.10	6	8	10	5	8	0	11	0.82
B0057 Repair INMARSAT systems	7.05	0	1	1	6	13	13	11	1.09
B0096 Repair LF/VLF PA-Cs	7.00	6	6	4	7	3	0	0	0.64
B0174 Repair STUs	6.99	0	1	0	7	9	13	0	0.80
B0063 Repair LARSs	6.96	0	0	0	1	1	0	0	0.47
B0126 Repair JTIDSs	6.95	17	22	13	20	22	0	0	1.51
B0060 Repair SARs	6.95	0	0	0	1	4	0	0	0.76
B0123 Repair SCDLs	6.95	3	2	1	2	6	0	0	0.29
B0204 Repair TACAN systems	6.91	0	1	1	2	4	0	0	0.11
B0279 Repair MCSs	6.90	0	1	1	2	6	0	11	0.29
B0240 Repair sensor systems	6.88	11	14	19	12	18	0	0	1.13
B0111 Repair MILSTAR terminals	6.85	3	6	6	6	3	13	0	0.62
B0099 Repair TWAs	6.84	3	1	0	3	2	0	0	0.31
B0270 Repair radar pulse reception systems	6.81	3	8	10	11	12	0	11	0.44
B0264 Repair radar transmission systems	6.81	6	8	10	11	13	0	11	0.42
B0261 Repair radar computer components	6.81	6	7	10	11	14	0	11	0.40
B0267 Repair radar Doppler reception systems	6.81	6	8	10	11	12	0	11	0.44
B0069 Repair DAMA systems	6.77	6	5	3	7	9	13	0	0.96
B0150 Repair signal analysis equipment	6.76	9	15	10	15	19	0	11	1.38

TD MEAN = 5.00; S.D. = 1.00; HIGH = 6.00

TABLE 126

AFSC 1A3X1 STS ELEMENT NOT SUPPORTED BY SURVEY DATA  
(LESS THAN 20 PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING)

UNIT	LEARNING OBJECTIVE	PROF CODE	PERCENT MEMBERS PERFORMING		TNG EMP	TSK DIF	ATI
			1ST JOB (N=35)	1ST ENL (N=106)			
9.31.3. Task	Operate Collection Receiver System with Display B0136. Operate collection receiver systems	2b/	3	18	2.53	4.54	7

\* Mean TE Rating = 1.66 Standard Deviation = 1.22 High TE = 2.88

\*\* Mean TD Rating = 5.00 Standard Deviation = 1.00 High TD = 6.00

TABLE 127

AFSC 1A3X1 STS ELEMENTS NOT SUPPORTED BY SURVEY DATA  
(NO PROFICIENCY CODE AND MORE THAN 20 PERCENT DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING)

UNIT	LEARNING OBJECTIVE	PROF CODE	PERCENT MEMBERS PERFORMING		TNG EMP	TSK DIF	ATI
			1ST JOB (N=35)	1ST ENL (N=106)			
9.3.4. Task	Isolate malfunctions - VHF Systems B0080. Troubleshoot VHF AM systems	-	23	31	3.00	4.81	12
9.6.3 Task	Operate Emergency Recorder/Locator Systems B0145. Operate recording systems	-	20	33	3.27	4.19	12
9.6.4. Task	Isolate malfunctions - Emergency Recorder/Locator Systems B0146. Troubleshoot recording systems	-	26	35	3.27	4.91	12
9.9.4. Task	Operate Military Satellite Communications Systems/DAMA B0049. Operate UHF SATCOM voice systems	-	34	35	4.16	4.42	12
9.9.5. Tasks	Isolate malfunctions – Military Satellite Communications Systems/DAMA B0050. Troubleshoot UHF SATCOM voice systems B0104. Troubleshoot UHF SATCOM data systems	-	29 23	37 31	3.76 3.11	5.72 5.79	12 12

\* Mean TE Rating = 1.66 Standard Deviation = 1.22 High TE = 2.88

\*\* Mean TD Rating = 5.00 Standard Deviation = 1.00 High TD = 6.00

TABLE 128

EXAMPLES OF TASKS NOT REFERENCED TO AFSC 1A3X1 STS  
WITH 20 PERCENT OR MORE DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING

TASKS	ATI	1 <sup>ST</sup> JOB PMP	1 <sup>ST</sup> ENL PMP
B0144. Repair computer systems	12	29	35
B0245. Troubleshoot BITE	15	29	33
C0328. Perform operational checkouts of aircraft mission systems after maintenance	12	17	33
C0329. Perform operational checkouts of aircraft mission systems after modifications	12	17	33
D0358. Perform aircraft cocking or uncocking procedures	15	37	35

TABLE 129

EXAMPLES OF TASKS NOT REFERENCED TO AFSC 1A5X1 STS  
WITH 20 PERCENT OR MORE DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS PERFORMING

TASKS	ATI	1 <sup>ST</sup> JOB PMP	1 <sup>ST</sup> ENL PMP
A0003. Assemble professional or personal flight gear	13	66	62
A0024. Obtain and secure COMSEC material	12	43	42
B0043. Operate high frequency (HF) voice systems	12	31	35
B0044. Troubleshoot HF voice systems	12	26	35
B0049. Operate UHF SATCOM voice systems	12	34	35
B0050. Troubleshoot UHF SATCOM voice systems	12	29	37
B0070. Operate UHF AM voice systems	11	17	26
B0071. Troubleshoot UHF AM voice systems	11	11	26
B0079. Operate VHF AM systems	10	29	30
B0080. Troubleshoot VHF AM systems	12	23	31
B0082. Operate VHF FM systems	10	29	32
B0083. Troubleshoot VHF FM systems	11	17	28
B0091. Operate Have Quick systems	11	26	26
B0100. Operate HF data systems	15	31	32
B0101. Troubleshoot HF data systems	15	29	31
B0103. Operate UHF SATCOM data systems	11	26	29
B0104. Troubleshoot UHF SATCOM data systems	12	23	31
B0145. Operate recording systems	12	20	33
B0146. Troubleshoot recording systems	12	26	35
B0154. Operate data encryption devices	11	31	28
B0155. Troubleshoot data encryption devices	11	29	26
B0160. Operate NBSV cryptographic systems	11	26	23
B0163. Operate WBSV cryptographic systems	11	26	24
C0319. Perform authentication procedures	11	31	18
C0328. Perform operational checkouts of aircraft mission systems after maintenance	12	31	45
C0329. Perform operational checkouts of aircraft mission systems after modifications	12	17	33
G0487. Destroy COMSEC or classified materials or documents	12	34	34

TABLE 130

JOB SATISFACTION INDICATORS FOR IDENTIFIED JOB GROUPS  
(PERCENT MEMBERS RESPONDING)

	SENIOR COMM SYSTEMS OPERATOR (CSO) INDEP JOB (N=238) (STG 60)	CSO CLUSTER (N=49) (STG 29)	MISSION SYSTEMS TECHNICIAN INDEP JOB (N=191) (STG 40)	RECON AIRBORNE MAINTENANCE TECHNICIAN (AMT) INDEP JOB (N=100) (GP 146)	TECHNICAL TRAINING STAFF INDEP JOB (N=8) (STG 44)
<u>EXPRESSED JOB INTEREST</u>					
INTERESTING	82	80	77	84	75
SO-SO	11	8	13	11	0
DULL	7	12	10	5	25
<u>PERCEIVED USE OF TALENTS</u>					
EXCELLENT TO PERFECT	20	9	13	31	25
FAIRLY WELL TO VERY WELL	65	73	70	57	50
NONE TO VERY LITTLE	15	18	17	12	25
<u>PERCEIVED USE OF TRAINING</u>					
EXCELLENT TO PERFECT	21	13	18	28	38
FAIRLY WELL TO VERY WELL	70	73	72	56	38
NONE TO VERY LITTLE	9	14	10	16	24
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>					
SATISFIED	77	70	70	70	63
NEUTRAL	8	8	14	14	13
DISSATISFIED	15	22	16	16	24
<u>REENLISTMENT INTENTIONS</u>					
YES OR PROBABLY YES	61	59	60	51	50
NO OR PROBABLY NO	24	37	21	23	25
WILL RETIRE	15	4	19	26	25

TABLE 131

COMPARISON OF JOB SATISFACTION INDICATORS FOR CURRENT 1A3X1 SURVEY AND PREVIOUS 1A3X1 SURVEY  
(PERCENT MEMBERS RESPONDING)

	AFSC 1A3X1 1-48 MONTHS' TAFMS		AFSC 1A3X1 49-96 MONTHS' TAFMS		AFSC 1A3X1 97+ MONTHS' TAFMS	
	2002 (N=70)	1999 (N=40)	2002 (N=110)	1999 (N=177)	2002 (N=244)	1999 (N=82)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	77	68	71	73	88	80
SO-SO	6	22	17	16	8	10
DULL	17	10	12	11	4	10
<u>PERCEIVED USE OF TALENTS</u>						
FAIRLY WELL TO PERFECTLY	74	70	78	79	91	87
NONE TO VERY LITTLE	26	30	22	21	9	13
<u>PERCEIVED USE OF TRAINING</u>						
FAIRLY WELL TO PERFECTLY	85	88	88	88	87	82
NONE TO VERY LITTLE	15	12	12	12	13	18
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	64	55	69	68	79	79
NEUTRAL	10	17	11	12	9	9
DISSATISFIED	26	28	20	20	12	12
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	50	45	54	53	59	52
NO OR PROBABLY NO	50	55	45	40	8	5
WILL RETIRE	0	0	1	7	33	43



TABLE 132

COMPARISON OF JOB SATISFACTION INDICATORS FOR CURRENT 1A5X1 SURVEY AND PREVIOUS 1A5X1 SURVEY  
(PERCENT MEMBERS RESPONDING)

	AFSC 1A5X1 1-48 MONTHS' TAFMS		AFSC 1A5X1 49-96 MONTHS' TAFMS		AFSC 1A5X1 97+ MONTHS' TAFMS	
	2002 (N=36)	1999 (N=65)	2002 (N=47)	1999 (N=56)	2002 (N=92)	1999 (N=86)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	64	66	66	77	76	71
SO-SO	25	26	17	14	11	16
DULL	11	8	17	9	13	13
<u>PERCEIVED USE OF TALENTS</u>						
FAIRLY WELL TO PERFECTLY	81	NR	81	NR	79	NR
NONE TO VERY LITTLE	19	NR	19	NR	21	NR
<u>PERCEIVED USE OF TRAINING</u>						
FAIRLY WELL TO PERFECTLY	94	92	92	98	90	90
NONE TO VERY LITTLE	6	8	8	2	10	10
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	78	71	64	77	67	72
NEUTRAL	6	8	11	14	13	9
DISSATISFIED	16	21	25	9	20	19
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	36	45	58	43	71	57
NO OR PROBABLY NO	64	55	40	57	6	13
WILL RETIRE	0	0	2	0	23	30

NR = Not Reported

TABLE 133

COMPARISON OF JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 GROUPS  
AND COMPARATIVE SAMPLE GROUPS  
(PERCENT MEMBERS RESPONDING)

	1-48 MONTHS' TAFMS		49-96 MONTHS' TAFMS		97+ MONTHS' TAFMS	
	1A3/1A5X1	COMP	1A3/1A5X1	COMP	1A3/1A5X1	COMP
	2002	SAMPLE	2002	SAMPLE	2002	SAMPLE
	(N=106)	(N=280)	(N=157)	(N=188)	(N=336)	(N=493)
<u>EXPRESSED JOB INTEREST</u>						
INTERESTING	73	58	70	67	85	71
SO-SO	12	23	17	19	9	17
DULL	15	19	13	14	6	12
<u>PERCEIVED USE OF TALENTS</u>						
FAIRLY WELL TO PERFECTLY	76	69	79	73	87	81
NONE TO VERY LITTLE	24	31	21	37	13	19
<u>PERCEIVED USE OF TRAINING</u>						
FAIRLY WELL TO PERFECTLY	88	82	89	84	88	82
NONE TO VERY LITTLE	12	18	11	16	12	18
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>						
SATISFIED	69	50	68	59	76	63
NEUTRAL	8	20	11	13	10	13
DISSATISFIED	23	30	21	28	14	24
<u>REENLISTMENT INTENTIONS</u>						
YES OR PROBABLY YES	45	50	55	61	63	56
NO OR PROBABLY NO	55	50	44	36	7	8
WILL RETIRE	0	0	1	3	30	36

\* Comparative sample for AFSCs surveyed in last 12 months, including 1C3X1 (Command Post) and 1C4X1 (Tactical Air Command and Control)

TABLE 134

JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED  
 (PERCENT MEMBERS RESPONDING)

	C-20 (N=21)	C-32 (N=14)	C-37 (N=6)	C-135 (N=5)	E-3 (N=287)	E-4 (N=66)	E-8 (N=42)
<u>EXPRESSED JOB INTEREST</u>							
INTERESTING	86	86	100	80	73	82	83
SO-SO	14	14	0	20	15	11	7
DULL	0	0	0	0	12	7	10
<u>PERCEIVED USE OF TALENTS</u>							
EXCELLENT TO PERFECT	33	22	50	20	10	9	26
FAIRLY WELL TO VERY WELL	67	71	33	80	69	74	62
NONE TO VERY LITTLE	0	7	17	0	21	17	12
<u>PERCEIVED USE OF TRAINING</u>							
EXCELLENT TO PERFECT	34	14	17	0	15	18	36
FAIRLY WELL TO VERY WELL	52	79	67	100	76	71	60
NONE TO VERY LITTLE	14	7	16	0	9	11	4
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>							
SATISFIED	81	86	100	80	71	73	71
NEUTRAL	5	7	0	0	12	12	10
DISSATISFIED	14	7	0	20	17	15	19
<u>REENLISTMENT INTENTIONS</u>							
YES OR PROBABLY YES	57	58	83	60	56	61	69
NO OR PROBABLY NO	19	21	0	20	32	26	17
WILL RETIRE	24	21	17	20	12	13	14

TABLE 134 (CONTINUED)

JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON AIRCRAFT PLATFORM TO WHICH ASSIGNED  
 (PERCENT MEMBERS RESPONDING)

	EC-130 (N=46)	EC-135 (N=4)	HC-130 (N=20)	MC-130 (N=22)	OC-135 (N=6)	RC-135 (N=93)	VC-25 (N=7)
<u>EXPRESSED JOB INTEREST</u>							
INTERESTING	74	100	65	91	83	86	100
SO-SO	11	0	20	9	0	8	0
DULL	15	0	15	0	17	6	0
<u>PERCEIVED USE OF TALENTS</u>							
EXCELLENT TO PERFECT	24	0	10	23	17	27	71
FAIRLY WELL TO VERY WELL	59	100	55	68	83	60	29
NONE TO VERY LITTLE	17	0	35	9	0	13	0
<u>PERCEIVED USE OF TRAINING</u>							
EXCELLENT TO PERFECT	20	0	10	18	0	26	71
FAIRLY WELL TO VERY WELL	54	75	60	77	67	61	29
NONE TO VERY LITTLE	26	25	30	5	33	13	0
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>							
SATISFIED	61	50	65	82	83	72	100
NEUTRAL	17	25	0	9	17	10	0
DISSATISFIED	22	25	35	9	0	18	0
<u>REENLISTMENT INTENTIONS</u>							
YES OR PROBABLY YES	59	75	65	68	50	49	71
NO OR PROBABLY NO	15	0	25	9	0	25	0
WILL RETIRE	26	25	10	23	50	26	29

TABLE 135

JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON PRIMARY MISSION PERFORMED  
 (PERCENT MEMBERS RESPONDING)

	ABCCC (N=22)	AWACS, NOT NATO (N=243)	NATO AWACS (N=39)	COBRA BALL (N=16)	COMBAT SENT (N=14)	COMBAT SHADOW (N=20)	CINC SUPPORT (N=5)	COMPASS CALL (N=10)	JSTARS (N=41)
<u>EXPRESSED JOB INTEREST</u>									
INTERESTING	68	71	85	88	93	90	80	90	83
SO-SO	5	17	5	12	7	10	20	10	7
DULL	27	12	10	0	0	0	0	0	10
<u>PERCEIVED USE OF TALENTS</u>									
EXCELLENT TO PERFECT	5	10	13	0	36	20	0	40	27
FAIRLY WELL TO VERY WELL	68	70	64	94	57	70	80	60	63
NONE TO VERY LITTLE	27	20	23	6	7	10	20	0	10
<u>PERCEIVED USE OF TRAINING</u>									
EXCELLENT TO PERFECT	9	14	18	0	36	15	0	30	37
FAIRLY WELL TO VERY WELL	68	76	77	88	50	80	80	40	61
NONE TO VERY LITTLE	23	10	5	12	14	5	20	30	2
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>									
SATISFIED	59	73	64	69	93	80	80	80	73
NEUTRAL	5	11	18	19	0	5	0	20	10
DISSATISFIED	36	16	18	12	7	15	20	0	17
<u>REENLISTMENT INTENTIONS</u>									
YES OR PROBABLY YES	64	52	80	50	50	70	80	40	71
NO OR PROBABLY NO	18	36	10	13	14	10	20	10	17
WILL RETIRE	18	12	10	37	36	20	0	50	12

TABLE 135 (CONTINUED)

JOB SATISFACTION INDICATORS FOR DAFSC 1A3X1 AND DAFSC 1A5X1 MEMBERS  
 BASED ON PRIMARY MISSION PERFORMED  
 (PERCENT MEMBERS RESPONDING)

	NAOC (N=65)	OPEN SKIES (N=5)	OPERATIONAL SUPPORT AIRLIFT (N=4)	RESCUE (N=19)	RIVET JOINT (N=62)	SENIOR SCOUT (N=16)	SPECIAL AIR MISSIONS (N=48)	STAFF (N=6)	TECH TRAINING (N=9)
<u>EXPRESSED JOB INTEREST</u>									
INTERESTING	82	100	75	63	84	75	92	83	78
SO-SO	11	0	25	21	6	19	8	0	0
DULL	7	0	0	16	10	6	0	17	22
<u>PERCEIVED USE OF TALENTS</u>									
EXCELLENT TO PERFECT	8	20	25	16	28	44	40	17	34
FAIRLY WELL TO VERY WELL	75	80	75	47	56	38	58	50	44
NONE TO VERY LITTLE	17	0	0	37	16	18	2	33	22
<u>PERCEIVED USE OF TRAINING</u>									
EXCELLENT TO PERFECT	17	0	25	16	29	31	29	17	45
FAIRLY WELL TO VERY WELL	72	60	50	53	56	38	65	33	44
NONE TO VERY LITTLE	11	40	25	31	15	31	6	50	11
<u>SENSE OF ACCOMPLISHMENT FROM JOB</u>									
SATISFIED	71	100	50	68	68	50	90	67	45
NEUTRAL	14	0	25	0	11	38	2	0	22
DISSATISFIED	15	0	25	32	21	12	8	33	33
<u>REENLISTMENT INTENTIONS</u>									
YES OR PROBABLY YES	60	60	100	63	49	69	63	67	56
NO OR PROBABLY NO	26	0	0	26	27	13	17	0	22
WILL RETIRE	14	40	0	11	24	18	20	33	22

TABLE 136

COMPARISON OF REENLISTMENT FACTORS BY TAFMS GROUPS  
FOR AFSC 1A3X1 AND AFSC 1A5X1 –  
PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND  
AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR

31 FACTORS LISTED IN ORDER OF APPEARANCE IN SURVEY Scale: 1 = Slight Influence; 2 = Moderate Influence; 3 = Strong Influence	1-48 MONTHS' TAFMS (N=47)		49-96 MONTHS' TAFMS (N=86)		97+ MONTHS' TAFMS (N=209)	
	Percent Selecting	Average	Percent Selecting	Average	Percent Selecting	Average
MILITARY LIFESTYLE	53	2.20	59	2.22	52	2.32
PAY AND ALLOWANCES	60	2.18	66	2.49	55	2.38
BONUS OR SPECIAL PAY	51	2.50	81	2.60	52	2.32
RETIREMENT BENEFITS	49	2.48	59	2.63	73	2.67
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	55	2.50	55	2.00	38	2.16
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	53	2.40	45	2.38	42	2.40
MEDICAL/ DENTAL CARE FOR AD MEMBER	53	2.48	57	2.49	48	2.47
MEDICAL/ DENTAL CARE FOR FAMILY MEMBERS	34	2.38	47	2.62	44	2.50
BASE HOUSING	11	2.00	13	2.36	9	2.11
BASE SERVICES	19	1.78	16	2.00	11	2.25
CHILDCARE NEEDS	6	2.00	5	2.50	6	2.17
SPOUSE'S CAREER	2	3.00	8	2.43	8	2.19
CIVILIAN JOB OPPORTUNITIES	13	2.33	16	2.79	14	2.37
EQUAL EMPLOYMENT OPPORTUNITIES	4	2.00	5	2.75	5	2.09
NUMBER OF PCS MOVES	4	2.00	12	2.30	10	1.95
LOCATION OF PRESENT ASSIGNMENT	19	2.22	28	2.29	37	2.55
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	28	2.15	28	2.29	26	2.24
WORK SCHEDULE	28	2.15	40	1.94	28	2.07
ADDITIONAL DUTIES	6	1.33	19	1.88	12	2.08
JOB SECURITY	55	2.65	71	2.59	61	2.52
ENLISTED EVALUATION SYSTEM	9	1.50	12	2.30	6	1.92
PROMOTION OPPORTUNITIES	38	2.33	28	2.58	29	2.50
TRAINING/EXPERIENCE OF UNIT PERSONNEL	13	1.83	8	2.71	12	2.35
UNIT MANNING	4	2.00	10	2.00	6	2.17
UNIT RESOURCES	0	0.00	8	1.86	5	2.00
UNIT READINESS	4	2.00	7	2.17	5	2.20
RECOGNITION OF EFFORTS	26	2.33	19	2.19	18	2.24
ESPRIT DE CORPS/MORALE	30	2.14	27	2.61	33	2.45
LEADERSHIP OF IMMEDIATE SUPERVISOR	13	2.00	20	2.35	17	2.36
LEADERSHIP AT UNIT LEVEL	13	1.83	19	2.06	18	2.54
SENIOR AIR FORCE LEADERSHIP	9	1.75	13	2.27	11	2.43

TOP 5 REASONS FOR MEMBERS REENLISTING BY TAFMS GROUP

1-48 MONTHS' TAFMS (N=47)	49-96 MONTHS' TAFMS (N=86)	97+ MONTHS' TAFMS (N=209)
PAY AND ALLOWANCES	BONUS OR SPECIAL PAY	RETIREMENT BENEFITS
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	JOB SECURITY	JOB SECURITY
JOB SECURITY	PAY AND ALLOWANCES	PAY AND ALLOWANCES
MEDICAL/ DENTAL CARE FOR AD MEMBER	MILITARY LIFESTYLE	MILITARY LIFESTYLE
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	RETIREMENT BENEFITS	BONUS OR SPECIAL PAY

TABLE 137

COMPARISON OF SEPARATION FACTORS BY TAFMS GROUPS  
FOR AFSC 1A3X1 AND AFSC 1A5X1 –  
PERCENT OF RESPONDENTS SELECTING EACH FACTOR AND  
AVERAGE SCORE AMONG THOSE SELECTING EACH FACTOR

	1-48 MONTHS' TAFMS (N=58)		49-96 MONTHS' TAFMS (N=69)		97+ MONTHS' TAFMS (N=25)	
<i>31 FACTORS LISTED IN ORDER OF APPEARANCE IN SURVEY</i> Scale: 1 = Slight Influence; 2 = Moderate Influence; 3 = Strong Influence	Percent Selecting	Average	Percent Selecting	Average	Percent Selecting	Average
MILITARY LIFESTYLE	48	1.93	43	2.20	40	1.90
PAY AND ALLOWANCES	45	2.23	61	2.33	68	2.29
BONUS OR SPECIAL PAY	16	1.89	30	2.10	28	2.29
RETIREMENT BENEFITS	3	2.00	16	1.91	36	2.33
MILITARY-RELATED EDU & TRNG OPPORTUNITIES	12	2.14	13	1.78	16	2.00
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	31	2.72	29	2.45	32	2.38
MEDICAL/ DENTAL CARE FOR AD MEMBER	5	1.67	16	2.36	28	2.29
MEDICAL/ DENTAL CARE FOR FAMILY MEMBERS	5	2.33	13	2.22	20	2.60
BASE HOUSING	5	2.33	13	2.11	12	2.33
BASE SERVICES	5	2.33	10	1.57	16	2.00
CHILDCARE NEEDS	3	2.00	16	2.00	8	2.50
SPOUSE'S CAREER	5	1.67	19	2.23	24	2.50
CIVILIAN JOB OPPORTUNITIES	34	2.50	43	2.63	44	2.64
EQUAL EMPLOYMENT OPPORTUNITIES	2	2.00	7	1.60	12	2.67
NUMBER OF PCS MOVES	7	2.50	12	1.88	8	1.50
LOCATION OF PRESENT ASSIGNMENT	29	2.35	33	2.57	16	2.75
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	36	2.57	45	2.52	32	2.62
WORK SCHEDULE	24	2.07	25	2.29	20	2.80
ADDITIONAL DUTIES	10	2.33	36	2.04	16	2.75
JOB SECURITY	5	2.33	9	1.00	0	0.00
ENLISTED EVALUATION SYSTEM	17	2.20	26	2.28	24	2.67
PROMOTION OPPORTUNITIES	12	2.57	19	2.38	32	2.62
TRAINING/EXPERIENCE OF UNIT PERSONNEL	10	2.83	19	2.23	12	2.00
UNIT MANNING	26	2.47	38	2.65	20	2.60
UNIT RESOURCES	12	2.00	17	2.42	32	2.00
UNIT READINESS	0	0.00	10	2.43	4	2.00
RECOGNITION OF EFFORTS	28	2.00	41	2.25	32	2.25
ESPRIT DE CORPS/MORALE	22	2.69	35	2.50	36	2.44
LEADERSHIP OF IMMEDIATE SUPERVISOR	14	2.50	22	2.13	4	3.00
LEADERSHIP AT UNIT LEVEL	22	2.69	36	2.28	24	2.50
SENIOR AIR FORCE LEADERSHIP	9	3.00	23	2.44	32	2.88

## TOP 5 REASONS FOR MEMBERS SEPARATING BY TAFMS GROUP

1-48 MONTHS' TAFMS (N=58)	49-96 MONTHS' TAFMS (N=69)	97+ MONTHS' TAFMS (N=25)
MILITARY LIFESTYLE	PAY AND ALLOWANCES	PAY AND ALLOWANCES
PAY AND ALLOWANCES	NUMBER/DURATION OF TDYS OR DEPLOYMENTS	CIVILIAN JOB OPPORTUNITIES
NUMBER/DURATION OF TDYS OR DEPLOYMENTS	MILITARY LIFESTYLE	MILITARY LIFESTYLE
CIVILIAN JOB OPPORTUNITIES	CIVILIAN JOB OPPORTUNITIES	RETIREMENT BENEFITS
OFF-DUTY EDU OR TRAINING OPPORTUNITIES	RECOGNITION OF EFFORTS	ESPRIT DE CORPS/MORALE